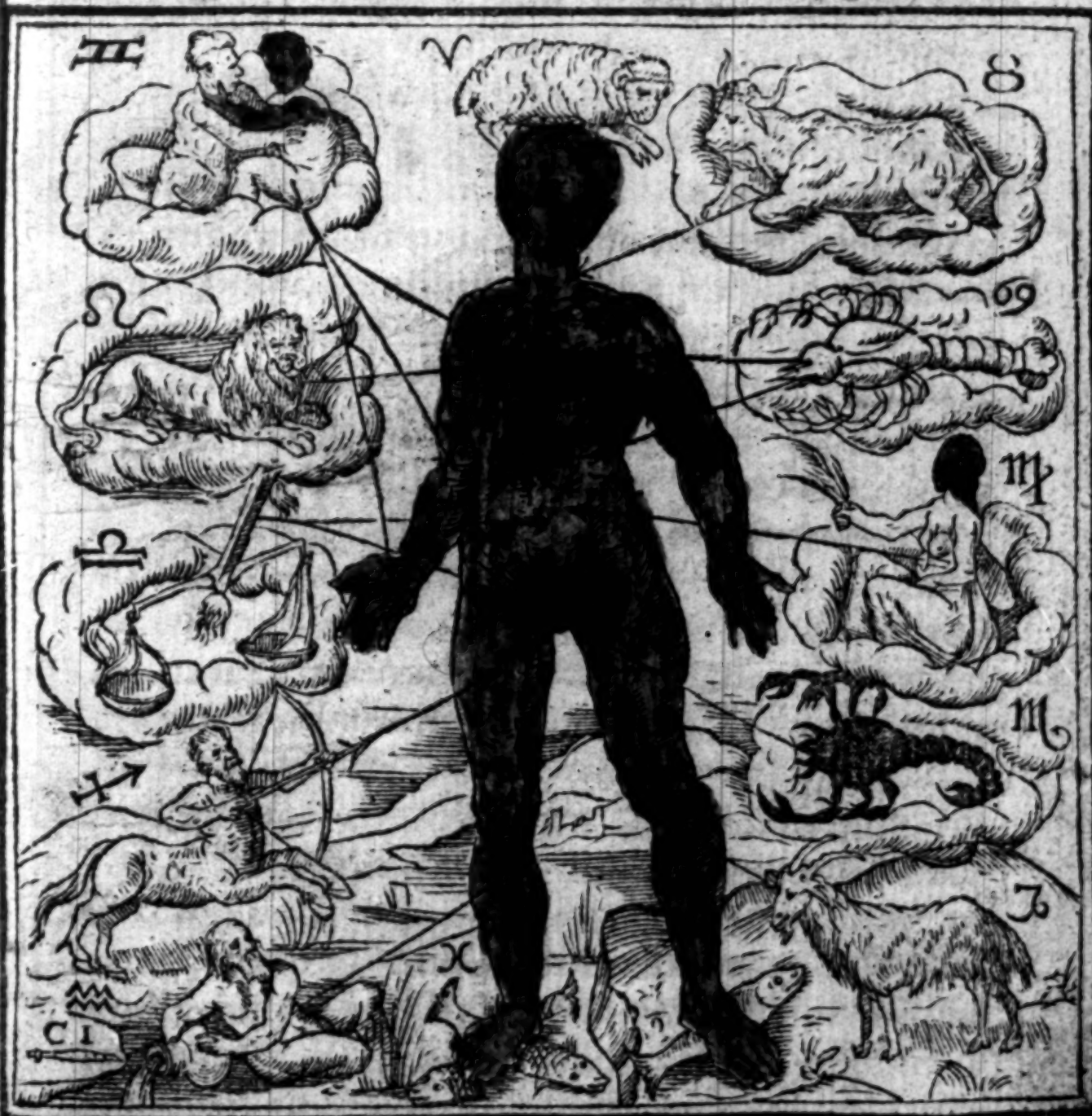


A Prognostication euerlastinge of righte

good effecte, fruitfully augmented by the auctour, containning plain,
 briefe, pleasaunte, chosen rules to iudge the Weather by the Sunne, Moone,
 Starres, Comets, Rainebow, Thunder, Cloudes, with other extraordinary
 tokens, not omitting the Aspects of Planets, vvith a briefe iudgement for euer,
 of Plenty, Lacke, Sickenes, Dearth, V Varres &c. opening also many
 naturall causes vvorthy to bee knowven.

To these and other now at the last, are ioyned diuers General pleasaunt Tables,
 vvith many compendious Rules, easie to be had in memory, manifold vvayes
 profitable to all men of vn derstanding, Published by Leonard Digges
 Gentleman. Lately corrected and augmented by
 Thomas Digges his Sonne.

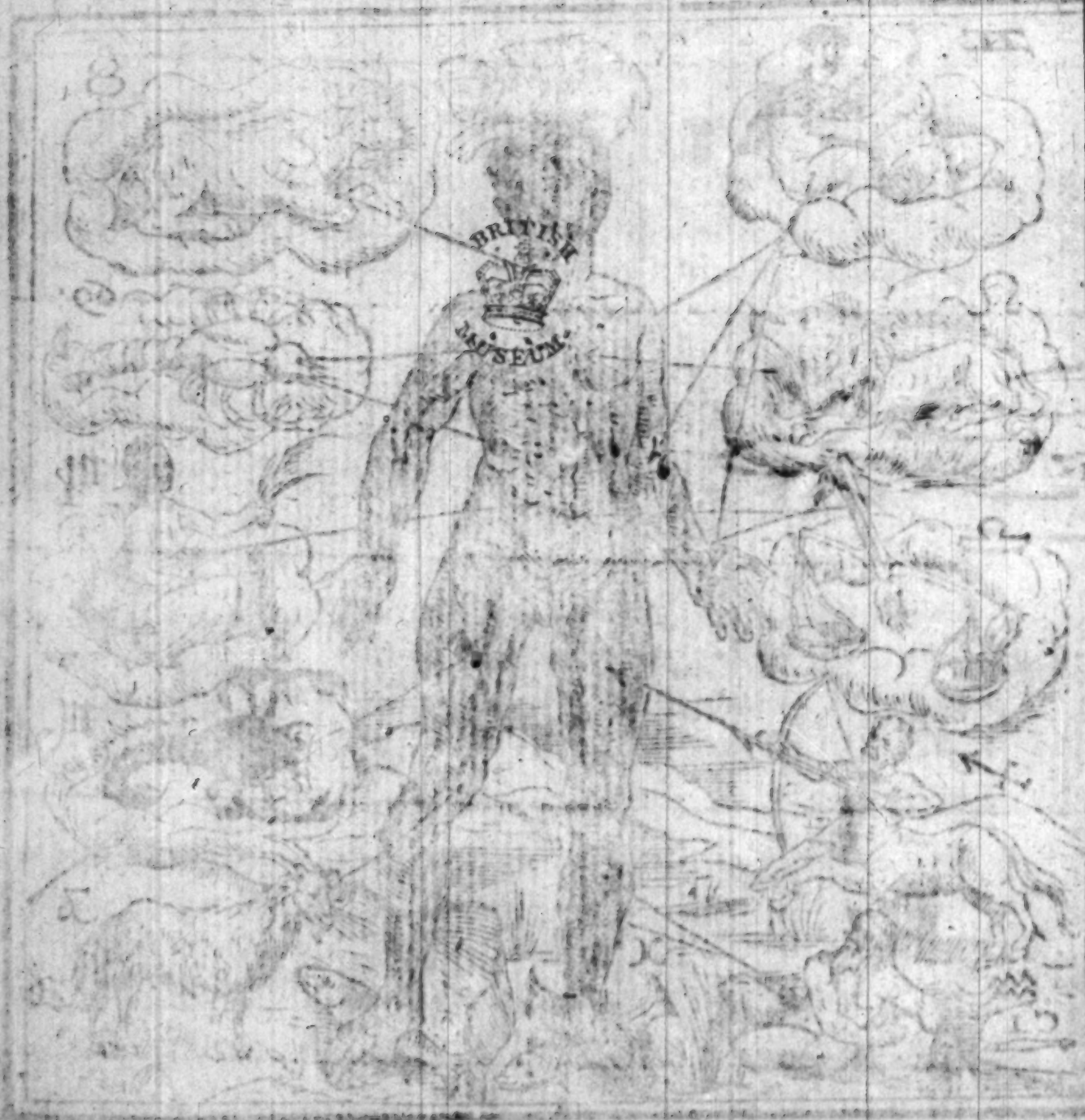


Imprinted, at London by Thomas Marsh.

4

Anno 1578.

The British Museum is a place of great interest and importance. It is a place where the history of the world is preserved and where the people of the world can learn of the past. The British Museum is a place of great interest and importance. It is a place where the history of the world is preserved and where the people of the world can learn of the past.



Engraved by Thomas Smith.

TO THE RIGHT HONORABLE SIR EDWARD
Fines, Earle of Lincolne, Baron of Clinton and Say, knight of the
noble order of the Garter, Lord high Admiral of England, Ireland &
Wales, and of the Dominions and Isles thereof: of the towne of Calice &
Marches of the same, Normandy, Gascoigne & Guien, And Captain generall
of the Queenes Maiesties Seas and Navie Royall.

RIght honourable, hauing of long time sundry
wayes found your Lordships great fauour not
only toward my father in his lifetime but al-
so toward his, most boittifully continued sickness
his death, I haue carefully thought which way
I might some way yelde a testimony of a gratefull minde.
And Perusing of late a Booke of my fathers to your Lord-
ship dedicate, by negligēce or ignorāce of Correcters ma-
ny wayes depraued: I determined both to amēd the faults
& with some additions to amplifie the same, briefly also to
touch & discover certaine errors touching matters of
Nauigation transferred into our language. And although
I haue in a peculiere volume for that purpose prepared to
entreate at large delivering new Rules & Methodes hi-
therto in no language published, nor to my knowledge of
any forraine Natiō practized, not onely in demonstratiō
voyd of al error, but also in practize feazible. Yet in the
meane least farder bouldnes by ignorances should encrease
to deriue vs mo errors from other nations, wherof our
Seawen haue learned to many already. I thought good at
the end of this boke to note some of the most used & este-
med & amōg that factiō held for Oracles, wherby, in dede
they haue bin & are (in all Nauigations) so misled, that
were they not by sight of the coast, & soundings better di-
rected, then by any troth in their Art, many mo vessels
should daily perish. This present tokē therfore of dutifull
good wil I shal humbly desire your lordship in good part to
accept, meanīg hereafter (God sparing life to honour your
Lordship & profit my country with matters more rare,
And in the meane humbly take my leave.

At your Lordships commaundement
The Diet.

To the reader.



Though (gentle Reader) the verely care
trauayles and paines of other, with the
confusions, repugnances, and manyfolde
erroys partly by negligēce & oft through
ignorance committed: I haue agayne
briely set forth a Prognosticatiō general,
for euer to take effect, adioyning thereto
diuers profitable collections, and many pleasaunt conclusions,
easie of al willing ingenious to be perceiued. Here note (Rea-
der) whereas the eleuate Pole and Meridian should be conside-
red, in this worke it is perfourmed for Londō, because I with
this Meridian situation of climate the exact truth of thinges. If
any yearly practises in like matters agree not with my calcu-
lations, be assured they are false, or at the least for other Ele-
uations or Meridians supposed, and therefore little seruing
thy purpose. And that the late rude inuentions, and grosse
deuises of some this yeare, & two yeares past published might
be of them perceiued, then filed, and to serue to some purpose: I
haue purposed euen now to put forth a booke named Panau-
ges wel seruing their turne, and so generally and most exactly
al Europe, pleasaunt, profitable to the learned, & no small de-
light to all maner of men. An other booke is also ready come
to thy handes, titled Tectonicon a treasure vnto the Masōs,
Carpēters, Lādmeaters, correcting their old errours wro-
gely reckened of them as infallible grounds, teaching faith-
fully, sufficiently, and very briefly, the true mensuration of all
maner land, timber, stone, boord, glasse, &c. And at the end co-
taining an instrument Geometrical appointed to their vse.
Take in good wort these labours (louing Reader, and looke
shortly for the pleasaunte fruites Mathematical, euen such as
haue bin promised by my friends and partly by mee. Neither
shal my desire to profite here stay: but entēdeth farther to pro-
ceede, if these seeme accepted. As the good will of Printers not
had, hath kept & kepte from you: so I trust & willing minde
& excellency of Tho Gemini, shal bring them shortly vnto you.
Certes my hope is while life remaineth, not to be vnfruitful
in this common wealth with study and practise.

Against

Against the reprovuers of Astronomie, and Science Mathematicall.



I am diuersly occasioned (louinge reader) somewhat to write in the commendatio of the Mathematicals which needed not, but onely to open the foolishness and rashness of such, which of late haue in writinge dysprayed these goodly artes. It is an olde sayde sawe, & true: *Scientia non habet inimicum nisi ignorantem*. But to auoyde tediousnesse, and chiefly for the more satisfiing, I referre all of that sorte, which haue tasted any learninge (the rest not regarded) to the first parte of famous Guido Bonatus de vtilitate Astronomie in communi, where hee wytyeth *contra illos, qui dicunt quod scientia Stellarum non potest scribi ab aliquot: contra illos, qui dixerunt, quod scientia Stellarum non est utilis, sed potius damnoſa &c. contra illos, qui contradicunt iudiciis Astronomie, & qui reprehendunt eam, nescientes dignitatem eius, eo quod non est lucratiua*. Also for breuitie I appointe all nice diuines, or (as Melancthon termeth them) *Epicurei Theologi*, to his hie commendations touching Astronomy, vnto his Epistles to Simon Grineus, to Schonerus, & to the peroration of Cardanus's booke, where he sheweth how farre wode they alledge the Scriptures agaynst the Astronomer, which make wholly with the Astronomer. Melancthon wytyeth and affirmeth. *Arrogantiam esse cum summa stultitia coniunctam, venari choragium aliquod glorie ex insectatione artium, quae sunt graui autoritate doctorum prudentium receptae*, hee calleth it manifestum insanie genus, declaring quod magis opus habent Medicis, q̄ Geometris, aduising the learned not to giue eare vnto theyr folly. *Sinamus (ait) vna cum Epicuro ineptire*. Wherby counsell I follow. Now therefore, ye enemies of all good doctryne eptber geue an ouerthrowe & that w̄ your penne, or let famous Guido, or learned Melancthon satisfie. If neither: certes I will shortly (God sparing life) take some paine in publishing the wonderfull vknowne pleasant profits of these dysprayed high knowledges and by that meanes to enforce silence.

Vituperant
qui simpliciter
eis ignorant.

Now in few, for thy encouragement in these, thus I say and truly, chee ingenious learned, & wll experiēced circumspect student Mathematicall, receyuech dayly in his witty practises more
A. pleasaunt

Stulti negligunt & contemnunt:
qui contradicunt
ambitiosus est,
qui maledicit,
fatuus.

pleasunt loy of mynde, then all thy goods (howe riche soeuer thou
bee) can at any time purchase. *Id tantum quod pulchrum est, quod
purum est, quod diuinum est, nihil mortale sapiens dulci ardore am-
plectitur. Vt multa paucis: crede mihi, extingui dulce erit Mathe-
maticarum artium labore.* Now to ende: that learned Guido, &
excellent Guido bonatus, sheweth what Astrologie or Astrono-
mie is, & ought not (sayth he) by any meane to be reprehended, in
that the most wyse, yea, the holy fathers haue practised that sci-
ence. He proueth it one of the chiefe sciences Mathematicall, by
the auctoritie of the best learned, & by Aristotle in his Posterior
um. Howe cometh it to passe louinge Reader, seeinge it is a
noble Science. *Et Scientia est notitia vera conclusionum, quibus
prop. ex demonstrationem firmiter assentimur,* that it is counted
vayne, and of so small Arēgeth: the secret truthe and most plea-
saunte profitee therein not desired, yea utterly dyspleased and of
some busy byting bodies reiected as verp lies? Let no man doubt
ignorancie, the great enemy of all pure learninge hath wrought
this. *Nam incertam vocat hanc artem vulgus, propter errores non
arti, sed hominum indoctissimorum in scitia, & temeritatis imputandos,
qui citra delectum omnia effutunt.* Thus I leaue indigely say-
ther to trouble: fauour me as I tender the furtherance of good
learnings, profitable to a common wealth. Fare most hartely
well, vnfayned good Christian Reader.



The contentes of this booke.



From the next folio to the first leaf are contained
the form of a Quadrante, Square, Circle, Qua-
drants with a figure trulpe placinge the sayde
Quadrant in the heauen.

From the fift to the thirteenth, yee haue the
iudgement of weathers by the Sun, Moone,
Starres, Comets, Raynbow, Thunder, Clouds, with extraor-
dinary tokens and aspectes of Planets. &c.

The 13. 14. 15. and 16 leaf, shewe the causes of such alteration
according to Aristotle. First of the Raynbow, then Rayne, Frost,
Dewe, Snowe, Hail, Wyndes, Earthquakes, Thunders,
Lightnings, Comets, Sunne and Moone eclipsed, Quanti-
ties of the Planets, and their placinge ocularly demonstrated.

The 17 the aspectes of the Moone and her signification in the
12 celestiall Signes.

The 18. 19. and 20. What Signe the Moone is in & shal bee for
euery, the meete time to let blood, to purge, to bathe, to fall timber
to sow, to plant, to grasse cut geve.

The 20. and 21. haue Tables for the Sunday letter, for the Gol-
den number or Prime, for the Epact and mouable feastes, many
wayes conducing.

The 22. 23. and 24 the age of the Moone, the change and quar-
ters for euery are declared, the Ebbings and Flowings, the break
of the day, the Sunne rising, the length of the daye, and Night, the
Twylght for al the yeare.

The 25. 26. and 27, shewe exacte pleasant wayes for the day
and night howre, with composition of meete instruments.

From the 29. to the 34. leaf, yee haue the peculiar Kalender,
very commodious for the day and night howre.

The 35. 36. and 37. declare infortunate dayes of the whole yere
with a Kalender general, and Tables as general, for the chiefe
sayes of England.

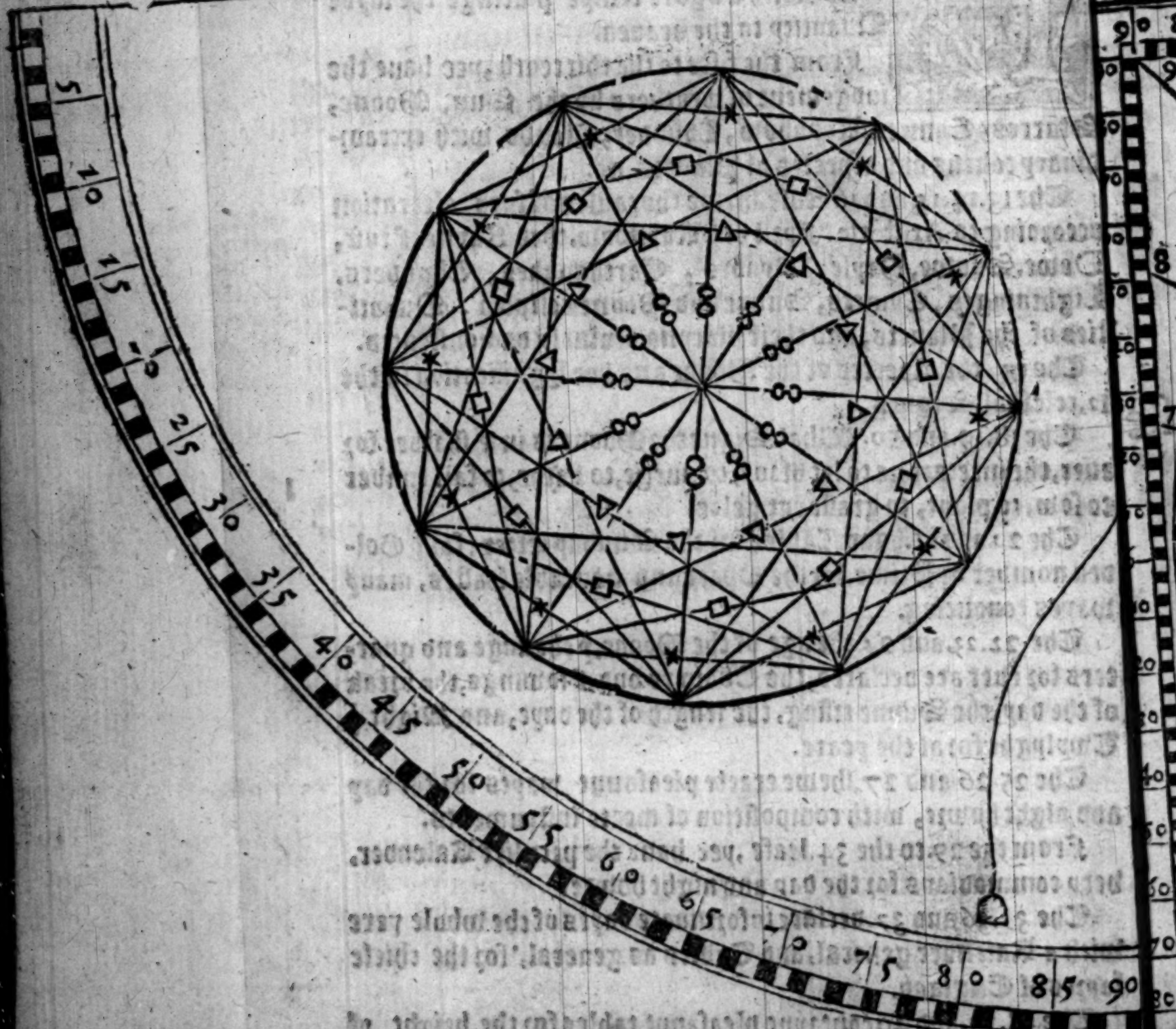
The 38. 39. and 40 containe pleasant tables for the height of
the Sunne at all howres, for right and squire shadow conducing
also to the composition of many instrumentes. &c.

The 40 and 41. leaf, Collections easy to be had in memorie

This

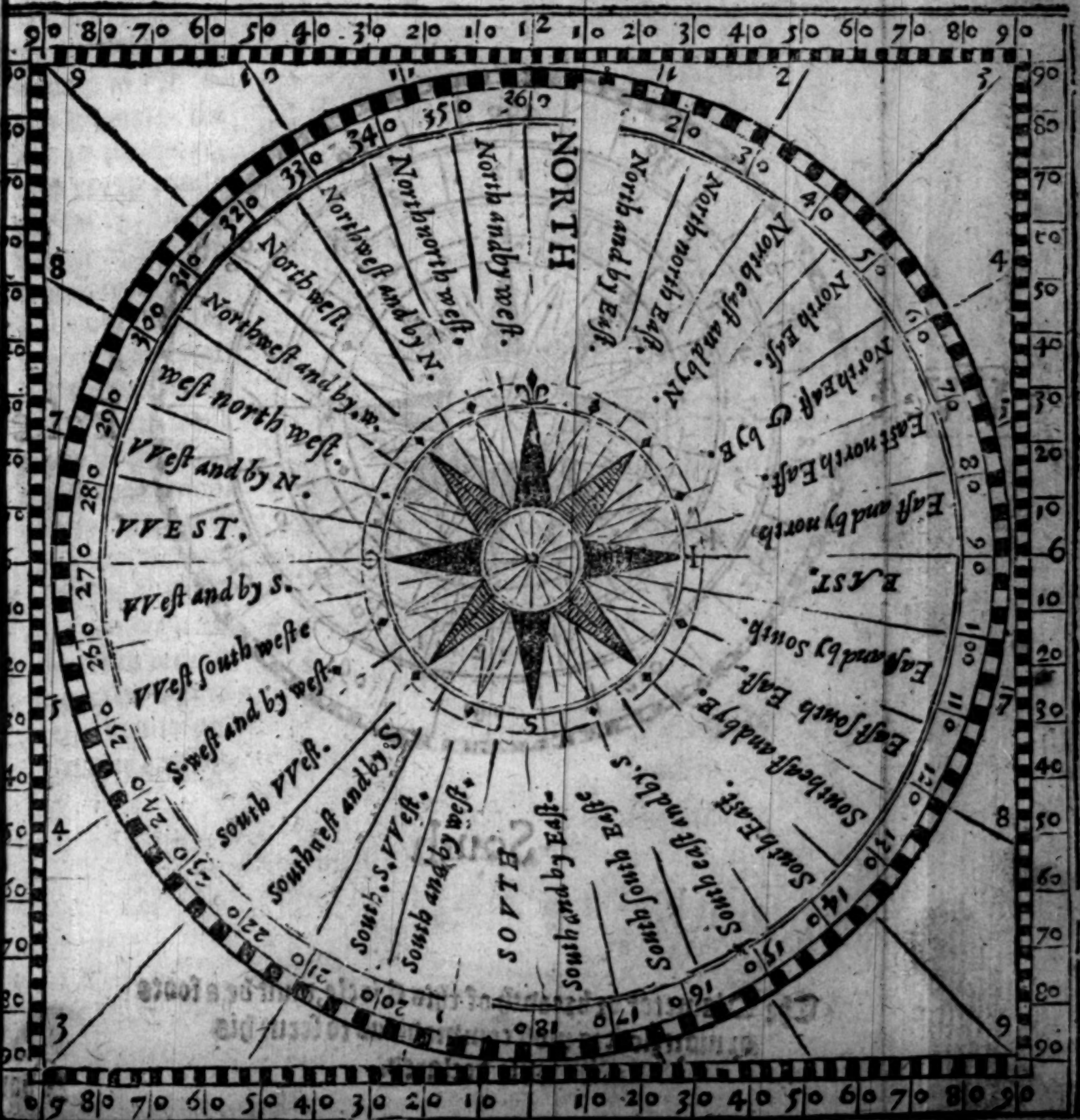
This Quadrant is appoynted here to gette exactlye the length of Staffe.¹¹
 and Squier shadow, how vnleuel soeuer the ground be, as I haue sufficient
 ly instructed in the eight and thirtie leafe.

This is
 more
 ether
 placed



If ye list not to make a Quadrant, ye may vse this very wyl: adding a plummet and
 lync, vvith sights or otherwise.

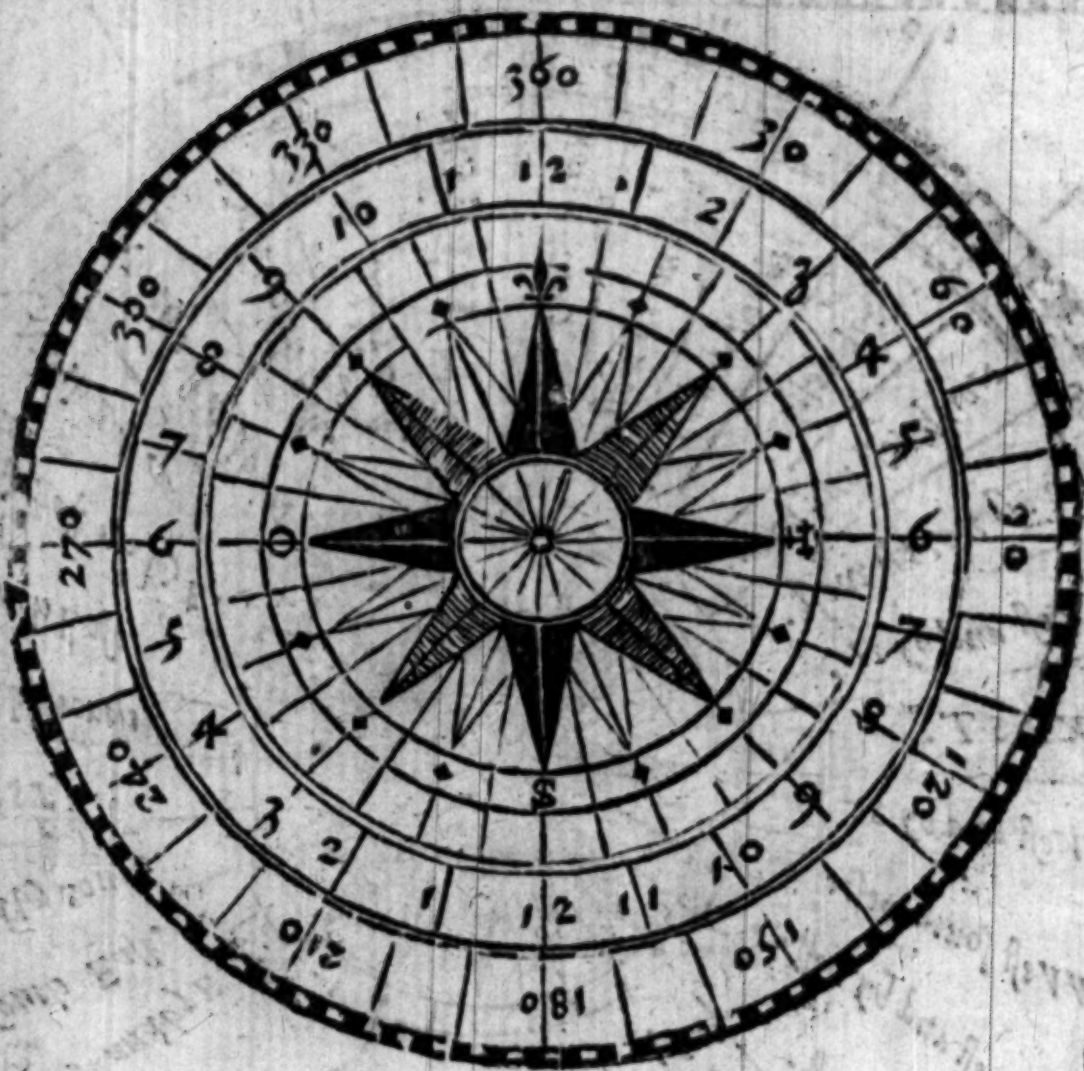
This instrument must be made in a playne fyne metall plate, a foote or more square. Then it is pleasant for the houre of the day and nyght, either to be fixed about your house, or moueable if ye list, by a Needle to placed where and when ye wil. The 26. leafe sheweth the making..



Or thus without the Square, this Circle wil serue wel.
your purpose beyng exactly made, and truly placed.

North

V. Vest



East

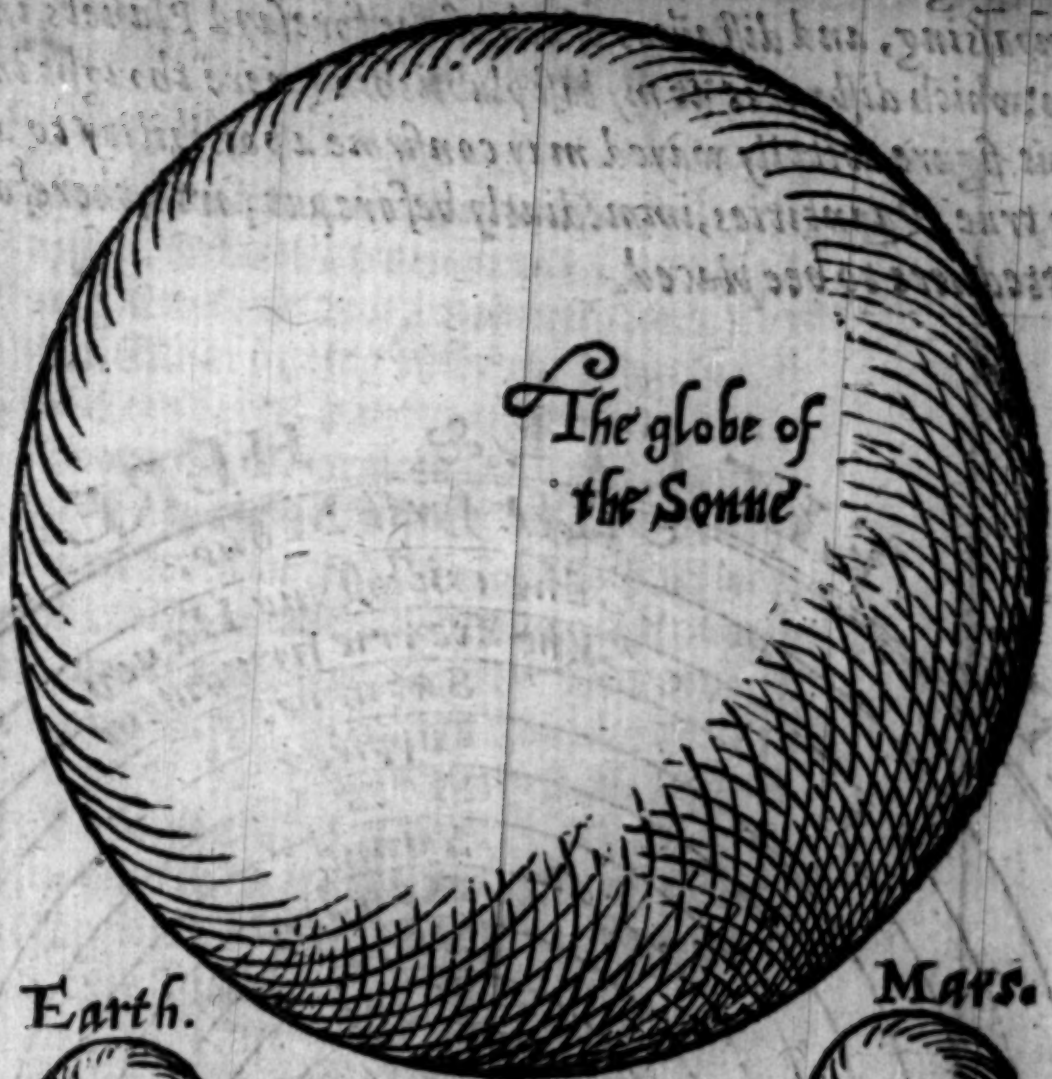
South

The Diameter or breadth of this Circle, must be a foot
or more, so it is most commodious to serue his
use declared.

3
read
repu
at th
quac
nitul
ven
one
and
the c
may
char
last
whe
the
Sur
tepu
the
tym
they
conc
tra
the
ut
ring
scor

Aban

I have placed
ready to bee con-
ceyued even here
at the eye, & true
quāties of mag-
nitudes of the se-
ven Planets, the
one to the other,
and every one to
the earth: whych
may satisfie them
that scorned my
last publyshinge,
where I declared
the Globe of the
Sunne, to con-
ceyue & Globe of
the Moone. 7000.
tymes. I woulde
they were able to
conceyue Demon-
stration made: the
the truth more e-
vidently appea-
ring, would pull
scornings away.



The globe of
the Sonne

Earth.



Venus or the Moone.

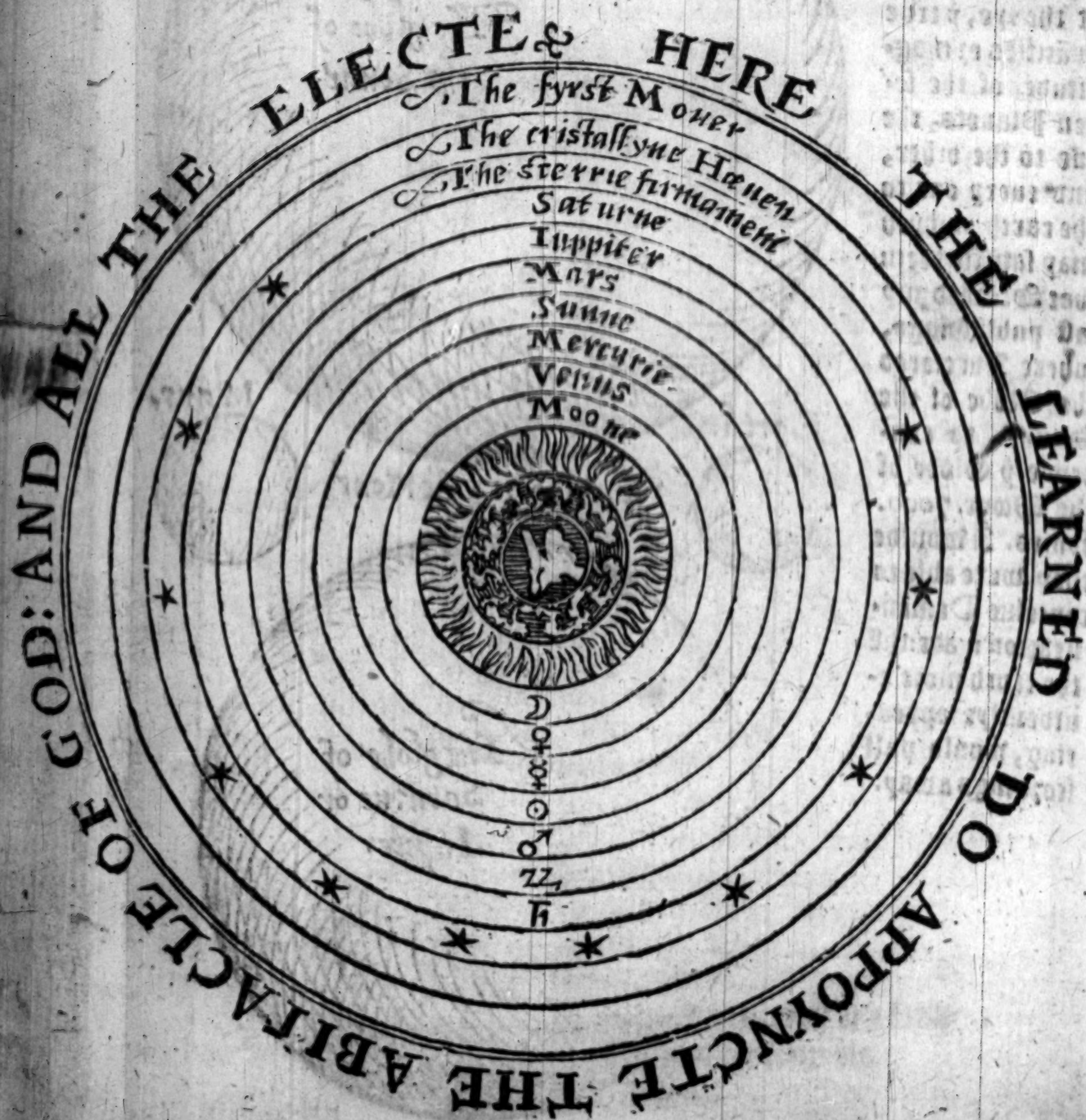


Mars.



The globe of
Saturne or
Iupiter

I thought it mete also to put here this figure, shewing the placing compassing, and distaūces of ech of the foresayd Planets in the heauen; which distances at my last plublishing were thought impossible. This figure wittily wayed may confirme a possibility to agre unto the true Quantities, immediatly before put forth, therefore not omitted here to bee placed.



weather by the Sunne rising

or going downe.



If the Sunne in the Horizon or rising, cleare & bright, sheweth a pleasant day, but thinly overcast with a cloude, betokeneth foule weather. Also at going down, the body diversly coloured or red, & about dispersed with like cloudes, the beames red, & of length, promise

De obseruan-
dis meteoris.

great wyndes, the next day from that part. Blacknes in the Sunne or Moone, betokeneth water: Red signifieth Winde.

The Element redde in the evening, the next day sayre: but in the morning redde, wynde and rayne. Also the Sun beames spotted, greene, pale, or blacke, gathered to a cloude, signifieth rayne. Further the Sun at the setting playnly seene without any cloude, declareth a sayre night to ensue.

Here note, Peolome willetch vs diligently to obserue, the circle or circles about the Sun. If it be cleare, & that circle of no continuance, behold sayre weather. If many of them, winde.

Winds more vehement are signified, if the circles be somewhat redde, here & there broken: but these obscured thicke, & blacke, looke for cold wynde and snow.

What is spoken of the Sun, touchinge the circles, the same is ment of the Moone. Note here that greater wynds chaunce in the day, then in the night.

& Howe weather is declared by the colour of the Moone, and by the nature of the Signe wherein shee is.

If the Moone in the third of hir chaunge, yea three dayes before the full, or in the middes of the quarter, be found of pure light, nothing compassing hir, th'ende direct vp, she promisseth sayre weather, but bent to red coloure, promisseth winde. The Moone pale or somewhat inclined to black, obscure or thicke, threatneth rayne.

Luna rubens, &c.
lat, pallor pluit,
Alba serenat.

Also by the nature of the signe, weather may be iudged, thus according to Stollerinus, Monte regius, Leupoldus, & famous

B.

Guido

LEARNED

A General Prognostication.

Guido Bonatus, whother wel travelled in mutations of ayre

☿ ☿ ☿
hote.

♄ ☿ ☿
Earthy.

♊ ☿ ☿
Ayerre

♋ ☿ ☿
watrye.

Consider the nature of the signe where the Moone is at, the change, quarter, and ful. If she be in hote and dry signes, as Aries, Leo, Sagittarius, in winter a good token of sayre weather. In Sommer a great signification of immoderate heat: If in earthy cold and dry signes, as Taurus, Virgo & Capricornus, in winter iudge cold, frost, & snow to ensue, but in sommer temperate weather. In Ayrie and windy signes as Gemini, Libra and Aquarius, much wynd, If in watrye colde and moyste signes, as Cancer, Scorpio and Pisces, in Winter wet weather. In sommer a pleasant temperature.

Also the Sunne in Aquary, the Moone at the change there or in Sagittary, or at the ful in Leo, betokeneth raine. The Sunne in Pisces or Aries, the mone in Virgo, Libra, or Sagittary, signifieth rayne especially in watry dwellinges. The Moone in Aquarius or Pisces, loke for change of weather, the chiefly she troubleth the ayre. The Moone also at the change or rather at the ful, in Aries, Libra, Scorpio or Pisces, tempestuous weather followeth. The Sunne in Aquarie in Aries, Libra, or Scorpio, but chiefly in Leone, the Moone then at the ful, and that after rayne or missings, loke for lighening thunder &c. To conclude the Moone in Cancer, Leo, Capricornus, or Aquarius, ayded with any aspect, but chiefly with opposition or Quadrat of Venus rayne followeth.

The iudgement of weather by Starres.

Cū maio
ra apparēt
tū enim
Humore
medius
crassetit.
acr.

Behold the Stars whose magnitude you know best. If they appeare of much light, in bignes greate more blasinge then they are commonly, it betokeneth great wind or moisture in y part where they shew: in winter, cold and frost. When starres seeme to runne in the Element, it sheweth wynde. Affirme also alteration of weather, if they be fewe in number, cloudye, and of little light. Further when dim starres appeare with longe fiery tayles, iudge wyndes and great drought, the more in number, the greater effect. When Stars in the night (as it is sayd) shoote

For Ever.

Shoote or seem to fall, it argueth wynd in þ parte. If in diuers places, inordinate wyndes, if in al places, then pronouce winds thunder, lightnings, yea weather most tempestuous.

The significations of Comets.

Comets signifie corruption of the ayre. They are signes of Earthquakes, of warres, chaunginge of kingdomes, great dearth of Corne, yea a common death of man and beast.

De cometarū prodigijs, lege Cardanū lib. 4 Fol. 83. & Antonium Mizal- dū de Cometo graphia.

Pontanus sic scribens: Ventorum quoque certa dabunt tibi signa Cometa: Illi etiam belli motus, feraq, arma minantur, Magnorū & elades populorum, & funera regum, aquarum significat penuriam

How by the Clowdes, chaunge of weather is perceyued.

If thicke clowdes resembling flockes, or rather great heapes of wol, be gathered in many places, the shewe raygne. Also when grosse thich darke clowdes right ouer the Nozthe parte, or somewhat declyninge to the Weste are close wiche the Earth immediatly followeth rayne. If they appeare like Hilles, some deale frō the earth, a good token of weather ouerpassed. Black clowdes, signify rayne. Whyte clowdes appearing in winter, at the Horizon two or thre dayes togeather, prognosticate cold, and snow.

Of the Raynbow and his effect touching alteration of Ayre.

If in the morning the raynbowe appeare, it signifyeth moisture, vnlesse great drought of ayre worke the contrary. If in the evening it shew it selfe, sayre weather ensueth, so that abundant moisture take not away the effect.

Arcus nisi solo aduerso non fiunt.

Or thus,

The raynbow appearing, if it be sayre, it betokenneth foule weather: if foule, looke for sayre weather. The greener, the moze rayne, redder winde.

Non apparet nisi cum vapores rarificantur vel inspissantur

Of thunders, what they signifie,

Signum futu-
rorū bellorū.

Tunders in the morning, signify wynd. About noone, rain.
In the Evening, great tēpest. Some write (their grounde I
see not) that Sondays thunder, shoulde byng the deathe of
learned men, Judges and others.

Mondays thunder, the death of women.

Tuesdays thunder, plenty of grayne.

(thed.

Wednesdays thunder, the death of harlots, and other bloud-

Thursdays thunder, plenty of sheepe and corne.

Frydays thunder, the slaughter of a greate man, and other
horrible murders.

Saturdays thunder, a general pestilent plague and greas
deathe.

*¶ How weather is knowen after the
chaunge of euery Mone by the
Prime daye.*

Sunday Prime, dry weather. Monday prime, moyst weather.

Tuesday Prime, cold and windy. Wednesday Prime, won-
derful. Thursday Prime, fayre and cleare. Fryday Prime,
mixt weather. Saturday Prime, moyst weather.

*¶ Now ensueth extraordinary tokens
for the knowledge of weather.*

Common to-
kens of wea-
ther meete for
all manner of
vvits.

Some haue obserued euil weather to follow, whan as watry
foules leaue y^e Sea despying lande: the foules of the land fly-
ing high, y^e cryng of foules about waters, making a great noise
wth their wings: Also y^e Seas swelling wth vnaccustomed waues,
if beasts eate greedily, if they licke their hooues: if they sodayn-
ly moue here and there making a noise, bzeethinge vp to y^e ayre
with open nosthils: rayne foloweth. And the busy beaunge of
Moles, the appearing oz comming out of wormes, Hennes re-
sorting to the pearch oz roust couered with dust, declare rayn.
The ample working of the spinner in the ayre: the Ant busied
wth her egges: the Bees in fayre weather not far wandring,
the continual prating of the Crow, chiefly twise oz thrise quick
calling, shew tēpest. When the Crow oz Rauē gapeth against
the Sūne in Sūmer, bray foloweth. If they busie themselves

For euer.
In ppointing of washing, & that in winter, lake for rayn. The be-
customed noise of poultry, the noise of swine. of Peacocks, de-
clare the same. The swallow flying and beating the water, the
chirping of the Sparrow in the morning, signify rayne. Rayne
sodenly rized by. Woddy coueringes straiter then of custome.
Bels hard further then commonly, the wallowing of dogges
the alteration of Cock crowing, al declare rayny weather. I
leau these, wanting þ good ground of the rest. If the learned
be despyreful of the foresayde, lette them read graue Virgil,
Primo Georgicorum. At Bor. &c.

There be a multitude of other not extraordinarye, but of the
best knowe causes: many for breuity here omitted, þ most part
not mentioned, because they passe the capacity of the comon soze
vpon al the which the Astronomer doth wel and learnedly co-
clude. I doubt not, ther be also sometime vknown matters,
mittigating the foresayd, or prouoking tempest vnloked, for,
which neither experience, ne learning hath established. How vn-
kinde (these considered) pea how far from worthy thanks ge-
uing are they, which in generall headdely do blame, checking
bitterly the Astrologer, with these Iudiciary matters, the
least part among a number of his most certayne doinges whē
things fortune contray to expectation? Understande gentle
Reader, þ consent of a multitude famously learned is their bac-
ler, even in these matters iudiciary. Who haue waped a long
time prudently, the great strength, the vehement force, & mar-
uallous natures of al erratical, & celestial constellations, with
their Angles, Radiations, Aspectes, Affections, Stations,
Progressions, Defections, Dispositions, Applications, Pre-
uentions, Refrenations, Contrarieties, Abscissions, Coniuncti-
ons, Quadzatures, and Oppositions &c. Therefore extreamly
folly, pea more then madnes doth be better, which imbraydeth
or backbitereth these knowledges, not remembryng the great
and manifold benefyses had thzough them, and that with most
certaynty in al other doinges.

What Meteoroscooper, pea who learned in matters Astro-
nomical, noteth not the great effectes at þ ryling of the starre
called the little Dog? Truly þ consent of the best learned doo-
gre of his force, pea Plini, in his history of nature affirmeth þ
Seas the most fierce. wines to flow in cellers, stāding waters

Canis minoris
efficacia.

Extended frō the beginning of Capricornus, to the end of Pisces, & is from the twelfth of December, to the tenth of March.

Here followe the aspectes of the Planets;
for the better iudgement of
Weather

BEfore I declare of Planets & the signification of aspectes, it behoueth briefly to open what I call planets, & what aspectes, and how they are Charactered & figured. Understand there be seven moueable stars pleasant to the sight called Planets, & highest Saturn, then Jupiter ♃, Mars ♂, Sunne ☉ Venus ♀ Mercury ☿ and ☾ Moone next to the Earth.

Now when I desire to expresse Saturne, I write this figure ♄ for Jupiter this ♃ for Mars thus ♂, Thus of the other as their Characters declare. All Radiations or aspectes are expressed as follow: A Coniunction thus figured ☿ and it is when an other Planet is ioyned with the Sunne or Moone, or others among themselves, within one degree or lesse.

The Sextile Aspect or Radiations, is thus expresse ✱, & it is within 60 degrees the one frō the other. The Quadrate aspect thus □, 90 degrees distant. The Trine thus △, separated 120. degrees. The Opposition thus ☾, 180. degrees the one distant from the other.

So here they follow in order the characters of the Planets, and Signes also.

☿ ✱ □ △ ☾
Coniunction, Sextile, Quadrate, Trine, Oppositio

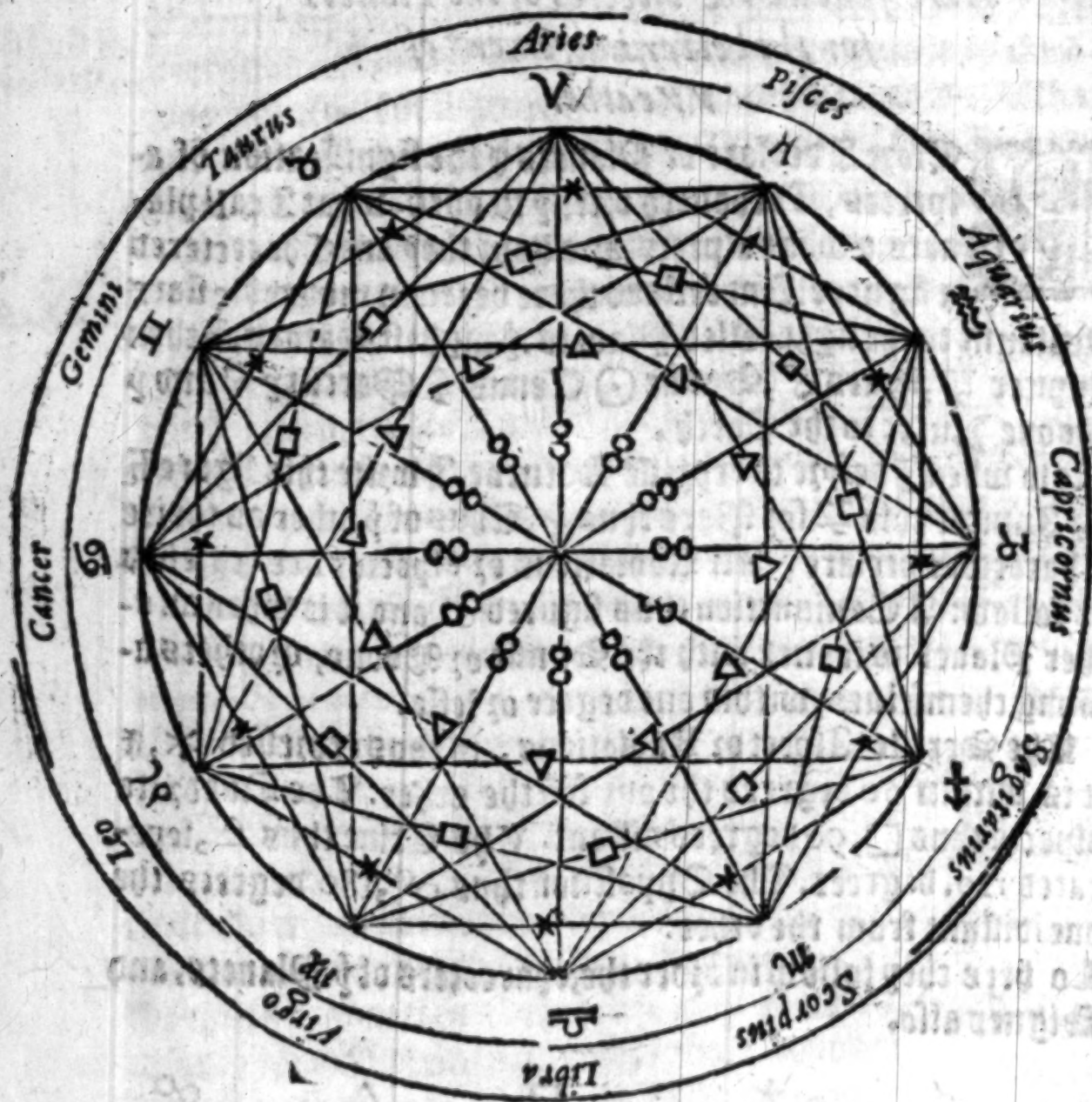
♄ ♃ ♂ ☉ ♀ ☿ ☾
Saturne, Iupiter, Mars, Sunne, Venus, Mercury, Moone

♈ ♉ ♊ ♋ ♌ ♍
Aries, Taurus, Gemini, Cancer, Leo, Virgo

♎ ♏ ♐ ♑ ♒ ♓
Libra, Scorpius, Sagittarius, Capricornus, Aquarius, Pisces

♈ ♉ ♊ ♋ ♌ ♍ ♎ ♏ ♐ ♑ ♒ ♓

General Prognostication
A General prognostication.
Yet for more playnesse behold this figure.



¶ *The signification of aspectes of Planets
among themselves: for the iudge-
ment of weather.*

The coniunction or meeting of Saturne wth Iupiter, in the
ry signes, enforceth great drought. In watry signes, flouds
continuall rayne, generall overflowinges, &c. In ayye signes,
plenty of wyndes.

The

The Quadzante, Sextile, or Opposition of Saturne wth Iupitet, in moyst Signes, causeth troubled Ayre, by Hayle, Wynde, Rayne, Thunder &c. before & after.

h□ & ∞
cum 4.

The Coniunction, Quadzature or Opposition of Saturne, wth Mars, in watry Signes, declare in Sommer rayne, ofte houres wth hayle, thunder and lightning.

h□ & ∞
cum 8.

The Coniunction Quadzature or Opposition of Saturne wth the Sunne chiefly in colde signes, shew darke weather, hayle, rayne, thunder, and colde dayes.

h□ & ∞
cum 0.

The Coniunction, Quadzature or opposition of Saturne wth Venus, in winter engender, cold and raine, principally in moist Signes: in sommer, mitigation of heate.

h□ & ∞
cum ♀.

The Coniunction, Quadzature, or Opposition of Saturne wth Mercurie, in watry Signes, bring raine, in hotte or dry signes, drought in Sommer, thunder lightnings & tempest.

h□ & ∞
cum ♀.

The Coniunction, Quadzature, or Opposition of Iupiter wth Mars in moyst Signes, declare thunders, lightnings & rayne: in winter snow, or cloudy thicke weather.

4□ & ∞
cum 8.

The Coniunction, Quadzature, or Opposition of Iupiter wth the Sunne, great and most vehement wyndes.

4□ & ∞
cum 0.

The Coniunction, Quadzature or Opposition of Iupiter wth Venus in moyst Signes, cold and mistings, in the reste Signes, fayze weather.

4□ & ∞
cum ♀.

The Coniunction Quadzature or Opposition of Iupiter wth Mercurie, great wyndes.

4□ & ∞
cum ♀.

The Coniunction, Quadzature, or Opposition of Mars, wth the Sunne in fiery signes, drought: in watry, thunder, and rayne.

8□ &
cum 0.

The Coniunction Quadzature or Opposition of Mars wth Venus, in moyst signes, rayne and tempest.

8□ &
cum ♀.

The Coniunction, Quadzature or Opposition of Mars, wth Mercurie in hot signes, gret heat: in dry signes, drought in watry, Rayne sometimes, Thunders, lightnings, and so- dayne fierce wyndes.

8□ &
cum ♀.

A Generall Prognostication.

♀♂□&♂
cum ♀.

The Coniunction Quadzature or opposition of Venus with Mercury causeth rayne: in Sommer they prouoke tempest, the more if they agree in watry signes. Note what is sayd of the Coniunction Quadzature or Opposition, the same is also met of Sextile and Trine, but they are of lesse signification, so the learned noteth.

A Declaration of Weather, by Aspects of the Moone with Planets.

♂♂□&♂
cum ♀.

THE Coniunctiō, Quadzature or Oppositio of the Moone with Saturne in moyst signes, bringeth a cloudy day, cold ayre according to the nature of the signe: If she go frō Saturn, to the Sunne, by coniunction or otherwise, harder weather ensueth.

♂♂□&♂
cum ♀.

The Coniunctiō Quadzature or Oppositio of the Moone with Iupiter in Aries or Scorpio, sheweth sayre weather, white dispersed cloudes.

♂♂□&♂
cum ♀.

The Coniunction, Quadzature or Opposition of the Moone with Mars in watry Signes, raie. In boate Signes, diuers coloured cloudes are made, at the Elemēt ouer. In Sommer often thunder.

♂♂□&♂
cum ♀.

The Coniunction. Quadzature or Opposition of the Moone with the Sunne in moyst Signes, rainy weather. The more if the Moone go from the Sunne to Saturne.

♂♂□&♂
cum ♀.

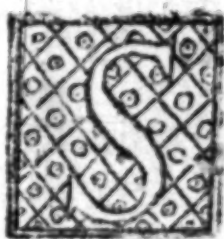
The Coniunction Quadzature or Oppositio of the Moone with Venus, chiefly in moyst signes, rayne followeth. The Moone going from Venus to Mars, more variety of weather.

♂♂□&♂
cum ♀.

The Coniunction Quadzature or Oppositio of the Moone with Mercury in moyst signes, sheweth rayne and wynd, the more when the Moone passeth from Mercury to Iupiter: then great Windes follow.

How

How the weather is iudged by the O- rientall and Occidentall station of Planets, with their Combustion in the 12. Signes Celestiall. First of the Planets in Aries.



SATVRNE in Aries Combust, that is to say h in v
vnder the beames of the Sunne, maketh a cloudy
darke troubled ayre: Orientall, I meane in the
mornning appearing before the Sunne, sayre wea-
ther. Occidental, that is to say, shewing himselfe
after the Sunne going downe, betokeneth great wyndes.

Jupiter in Aries combust, a token of raine, being Occidental, v in v
bringeth clouds, & dewes: Orientall, sayre pleasant weather.

Mars in Aries combust and Occidental, good weather: contra- d in v
ry Orientall.

Venus in Aries combust Occidental, moistnes, great winds: f in v
Orientall thunders, and raynes.

Mercury in Aries combust, Tempest: Occidental and Orien- f in v
tall, sayre windy weather.

Of the Planets in Taurus.

SATVRNE in Taurus combust, and stationary, bringeth h in d
thicke cloudes, thunders and troublesome weather.

Jupiter in Taurus combust, indifferent weather: Occidental, v in d
pleasaunt showres.

Mars in Taurus combust, a quiet ayre: but Orientall windy. d in d

Venus in Taurus combust, thunders. &c. Occidental, sayre. f in d

A Generall Prognostication.

Of the Planets in Gemini.

♄ in ♊

SATVRNE in Gemini combust and Occidental, drought.

♃ in ♊

Iupiter in Gemini combust, a good signification.

♂ in ♊

Mars in Gemini combust and Occidental, peace:

♀ in ♊

Venus in Gemini combust Occidental, wynde.

☿ in ♊

Mercurie in Gemini combust, wynde.

Of the Planets in Cancer.

♄ in ♋

SATVRNE in Cancer combust, darcke weather, great windes and troublesome weathers: Occidental, calmer.

♃ in ♋

Iupiter in Cancer combust, bringeth calme pleasant weather

♂ in ♋

Mars in Cancer combust, greace peace.

♀ in ♋

Venus in Cancer combust, a quiet calme time.

☿ in ♋

Mercury in Cancer combust, tempestuous weather, chiefly on the Sea: Occidental, calmer.

Of the Planets in Leone.

♄ in ♌

SATVRNE in Leone combust, maketh wyndes and mis-
tings.

♃ in ♌

Iupiter in Leone combust, pleasant wyndes.

♂ in ♌

Mars in Leone combust, Occidental, drought.

♀ in ♌

Venus in Leone combust, drought:

☿ in ♌

Mercurie in Leone combust wyndes.

Of the Planets in Virgo.

SATVRNE in Virgine combust, is a significatour of in-
firmities, ♄ in m

Iupiter in Virgine combust, manifesteth abundance of things ♃ in m

Mars in Virgine combust, like unto Saturne. ♂ in m

Venus in Virgine combust, drought, Oriental contrary. ♀ in m

Mercurie in Virgine combust, drought, raging seas, Occi-
dentall, drought. ☿ in m

Of the Planets in Libra.

SATVRNE in Libra combust, sheweth infirmity of sight ♄ in l
Oriental, cold wyndes.

Iupiter in Libra combust, indifferent weather. ♃ in l

Mars in Libra combust, bringeth moisture. ♂ in l

Venus in Libra combust, moist ayre. ♀ in l

Mercurie in Libra combust, wyndes, ☿ in l

Of the Planets in Scorpio.

SATVRNE in Scorpio combust, cold ayre: Occidentall ♄ in m
frost, Oriental, cold, North wyndes.

Iupiter in Scorpio combust, raine: Occidental, bitter weather. ♃ in m

Mars in Scorpio combust, declareth moisture: Oriental, winds ♂ in m

Venus in Scorpio combust, raine, both Occidental & Oriental. ♀ in m

Mercurie in Scorpio, combust, raging weather, chiefly Ori-
tall. ☿ in m

A General Prognostication.

Of the Planets in Sagittarius.

♄ in ♐

SATVRNE in Sagittarius combust, colde rainy ayre: Orientall, colde and frost.

♃ in ♐

Iupiter in Sagittarius combust, much rayne: Oriental, worse weather.

♂ in ♐

Mars in Sagittarius combust, drought.

♀ in ♐

Venus in Sagittarius combust, raine: Occidental wind & cold.

☿ in ♐

Mercury in Sagittarius combust, rayne: Occidental, cleare ayre.

Of the Planets in Capricornus.

♄ in ♑

SATVRNE in Capricornus combust, signifieth darcke weather with South winde: Occidental cold: Oriental North wyndes.

♃ in ♑

Iupiter in Capricornus combust, moyste Ayre: Occidental increasing the same.

♂ in ♑

Mars in Capricornus combust, cloudy: Occidental some heate

♀ in ♑

Venus in Capricornus combust, colde ayre: Oriental rayne.

☿ in ♑

Mercury in Capricornus combust rayne, both Oriental and Occidental.

Of the Planets in Aquarius.

♄ in ♒

SATVRNE in Aquarius combust, cold ayre: Occidental dangerous Seas, Oriental, rayne.

♃ in ♒

Iupiter in Aquarius combust: Occidental, rayne.

♂ in ♒

Mars in Aquarius combust, drought: Occidental & Oriental plenty of wyndes.

♀ in ♒

Venus in Aquarius combust, cloudy: Occidental hotte: Oriental, rayne.

☿ in ♒

Mercury in Aquarius combust, snow: Occidental moze colde, Oriental rayne.

Of the

Of the Planets in Pisces.

SATVRNE in Pisces combust, bringeth cloudes: Decel. h in X
dentall rayne.

Iupiter in Pisces combust Oriental, calme waters. 4 in X

Mars in Pisces combust Occidentall drought: Oriental, light- 3 in X
ning and thunders.

Venus in Pisces combust cold, Occidentall, disposed to snow. 2 in X

Mercury in Pisces Combust moyst ayre. 1 in X

Thus much of the iudgement of weather.

¶ Seing that I haue now sufficiently declared how, by what
rules and tokens, weather is iudged, I thinck it conuenient
to adioyne here a briebe collection, how Plenty, Scarcitie,
Sickenesse, Death Alterations, troubles, warres &c. are
foz euer perceyued.

*A Rule to Prognosticate the aforesaide, by
the falling of Newyeres day.*

Sunday.

It is affirmed of some, whē Newyeres day falleth
on the Sunday, then a pleasant winter doth ensue,
a natural Sommer, fruite sufficient. Harvest indif-
ferent, yet some winde and rayne, many mariages:
plenty of Wine, & Hony, death of yong men and cattell, robbe-
ries in most places, newes of Prelates, of kinges, and cruell
Warres in the ende.

Monday.

On Monday, a Winter somewhat vncomfortable, Sommer
temperate, no plenty of fruite, many fancies & fables ope-
ned, agues shal raigne: kings & many others shal die: maria-
ges shalbe in most places, and a common fall of Gentlemen.

Tuesday.

On Tuesday a stormy winter, a wet Sommer, a diuers Har-
uest, cozne & fruite indifferent, yet herbes in gardens shal
not flozrhe, greate sicknesse of Men, Women, and yonge
children

A Generall Prognostication.

children. Beasts shal hunger sterue, and die of the botch, many shippes, galleis and hulkes, shalbe lost: & the bloudy fluxes shal kill many men: all thinges deare saue Corne.

Wednesday.

On *Wednesday*, loe a warme winter. In the end snow & froste, cloudy Sommer, plenty of fruitte, of Corne, Waxe, Wyne, and honny: great payn to women wth child, and death to infants, good for sheepe, newes of kyngs, great wars, battell, and slaughter toward the middes.

Thursday.

On *Thursday*, winter and sommer windy. A rainy harvest: therefore we shal haue ouerflowings. Much fruitte, plenty of honny. Yet flesh shalbe deare, cattel in generall shal dye, great trouble, warres. &c. Wth a licentious life of the feminine sexe.

Friday.

On *Friday*, winter stormy, Sommer scant pleasaunt, Harvest indifferent, little store of fruitte, of wine and honny, corne deare. Many bleac eyes: poult shal dye. Earthquakes are perceived in many places, plenty of thunders, lightnings & tempest, with a sodayne death of cattell.

Saturday.

On *Saturday*, a meane wynter: Sommer very hot. A late Harvest, good cheape garden herbes, much burning, plenty of hempe, flaxe, and honny. Old folk shal dye in most places, Feuers and tercians shal greene many people, great muttering of warres, murders shalbe sodenly committed in many places, for light matters.

Now that I haue opened diuers waies, both for y^e learned and vnlearned, how weether to come at al times may be wel iudged & knowe. &c. I thought it mete for farther knowledge therein not to omit here the natural causes of such and so many alterations of ayre. So therefore orderly they follow,

Natu.

Naturall causes, conducing to all the afore-
sayd, and first of the Raynbow.

The Rainbow is the shininge and rebounding of beames of
lighte, that tourne to the contrary vapoure agayne in the
cloude. It declareth sometime rayne, and many times sayre
weather: when the one, and how the other, is before opened.

Of Rayne.

Rayne is a colde vapoure, an earthy humour, or fumosities,
out of waters or earth drawn up by the vertue of the Sun,
to the neither part of the middle space of the ayre, there through
cold thicked, then dissolved: thus engedged, falleth on the earth.

Where I leaue to speake of miraculous raynes, as Milke,
Bloud, Fleche, Iron, Woll. &c. For more satisfiing in these,
reade Plinius in the second booke 58. Chapter.

Quare lapides)
pluant, lege 21
Pl. Lib. 2.
Cap. 58.

Of Frost, and Dewe.

A Colde moyste vapoure, a litle way drawn up in the day
through faint heate of the Sunne descendeth in the night, dis-
solved on the earth, there congelated or resolved into water,
the one called Frost, the other Dewe. The last is a signe of
sayre weather in the Spring, or Harvest.

Ros estate,
pruina hinc
fit.

Of Snowe.

It is a moyste vapoure, drawn up to the middle Region of
the ayre, then thicked, and frozen into the body of a cloude:
so congelated, descendeth.

Nix humor
modice con-
cretus.

Of Hayle.

A Cloude resolved into Water, in the fall congelated, ma-
keth Hayle. The higher it cometh from above, & the lon-
ger it tarreth in the ayre, the rounder Hayle.

Grado pluua
in altis
gelata.

A Generall Prognostication

Of Wyndes.

Ventorū ergo
materia calida
& sicca exha-
latio.

Winde is a multitude of wynd exhalacions, drawe by frō
the earth and aboue the earth enforced here and there

Of Earthquakes in the most quiet time.

Quēadmodū
in nube toni-
trum, sic in
terra tremor.

Plenty of wyndes, entred into holes, cones, or caues of the
earth, which absent from aboue the earth causeth quietnes:
the violent bursting out of them (the earth closed againe) is
Earthquake: *Signum est futurorum Bellorum.*

Tokens of Earthquakes to come,

Signa terre
motus.

A fiery cloude, appearing in the Element like a little Pillar
is a token of Earthquakes to come. The obscurity or dark-
nes of the Sunne, without cloudes, and straungely coloured,
bloudy or otherwysse, is a token of Earthquakes.

Also when Well water and others are troubled or salt, or
infected by sauer. &c.

A great quietnes of ayre, by land and sea. & chiefly the long
absent of wyndes.

Also straunge noyses hard, as clamours of men, rushing of
barnesse, mourninges, lamentacions. &c. All these haue bene
obserued, to signify Earthquakes at hand.

Of Thunders and Lightnings.

Fulgetrū prius
cerni, quā to-
nitrū audiri, cū
simul fiant cer-
tū est, Pl. lib. 2
Cap. 56. contra
Aristo.

Thunder is the quenching of fyre, in a cloud. Or thūder is
an exhalation, hot & dry, mixt with moisture caried by to
the middle Region, there thicked and wrapped into a cloud: of
this hotte matter coupled wth moistnes, closed in the cloud, groweth
a strife, the heate beating, and breaking out the sides of the
cloude with a thundring noyse: the fyre then dispersed, is the
lightninge. Thus say the learned: *Tonitrum sonitus est, qui edi-
tur quando nubem rumpit halitus. Fulmen flamma vel repentinus
est ignis, qui ex collisione nubium, aut ruptura nascitur.* Aristotle
affirmeth the lightning after the thunder, but the fire doth first
appare, in that the sight is before the hearing. If this sa: lisse
not, read the second of his Metecoron, Where foloweth a note of

lightnings.

There be three kindes of Lightninges,
dry, moist, and cleare.

DRy do not burne but cleaue, depart oꝝ deuſe. Moſte burne
not but alter colour. The Cleare are of marueplous natu-
res, ſul barrels by it are emptied. It melteſh money in y purſe
it breaketh the ſworde, the purſe and ſcaberd not periſhed, yea
ware in them vnmolten.

Of the Comets or flames in the Nighte.

A Comet is a flame working in a dry, hot, ſtymie exhalation
drawē vp to the higheſt part of the ayre. His matter oꝝ ſub-
ſtance after it is bzent, diſperſed, prouoketh wynds.

Ventorum
cauſa.

The naturall cauſe of the Sunne Eclipſed.

Nothing els is the Eclipse of the Sunne, but y direct put-
ting the body of the Moone betwene the Sunne and the
earth, oꝝ betwene our ſight & the Sunne which chaunceth one
ly at the chaunge.

A Corollarie,

By this gather the darkeneſſe at Chryſts death, not to ſtād
by naturall Ecliptical cauſe: but by ſupernaturall, oꝝ My-
racle: ſoꝝ it was at the ſul Moone, y Scriptures witnes, which
enforced Dionisius Arcopagita, at the tyme of hys paſſion, to
ſpeake thus. *Aut Deus nature patitur, aut mundi machina diſ-*
ſoluitur.

Miracle.

The cauſe of the Moone Eclipſed.

The Sunne being in the contrary poynt to y ſul Moone, en-
forceſh the ſhadow of the earth then directly put betwene
the Sun & the Moone, to ward y Moone, hiding more oꝝ leſſe
of the Moone, as ſhe differeth from the Ecliptical. Some ob-
ſerue peſtilent plagues, ſodaine battayle, greate dearthe, to
enſue theſe Eclipses: which all I deſire G D to auerte
from his choſen: Many other thynges by theſe Eclipses are
gathered, as Longitudes of Countreys, the Quancity of the
Sunne, contayning the bigneſſe of the Earth 162. tymes: the

Vniuerſalis
eſt Eclipſis
Lunc. Nō ſem-
per in noui Lu-
nio, ſed in ca-
& cauda.

A General Prognostication

Compass of the earth. 21600. miles, whose thicknesse, according to Archimedes rule is. 6872. miles, & eight eleuenthes of a mile.

The quantitie of the Moone is the. 43. part of the Earth.

The Sunne containeth the Globe of the Moone 7000. times.

Saturnus comprehendeth the bignes of the earth. 91. times, Iupiter. 95. times. Mars, once, and ten sixtenthes. Venus the. 37. part. Mercury, one. 32000. part of the earth.

Note here, that Alfraganus affirmeth the leaste fixed Starre perfectly seene, as bigge as the whole earth.

Omniū planetarum ad terrā magnitudo.

Dimetiens O ad terrę dimetiētem 11. ad. 2

Cubus O 1331 terre. 8

Dimetiens terrę ad diam. ad 5. Cubus terrę 4913. Cubus 125.

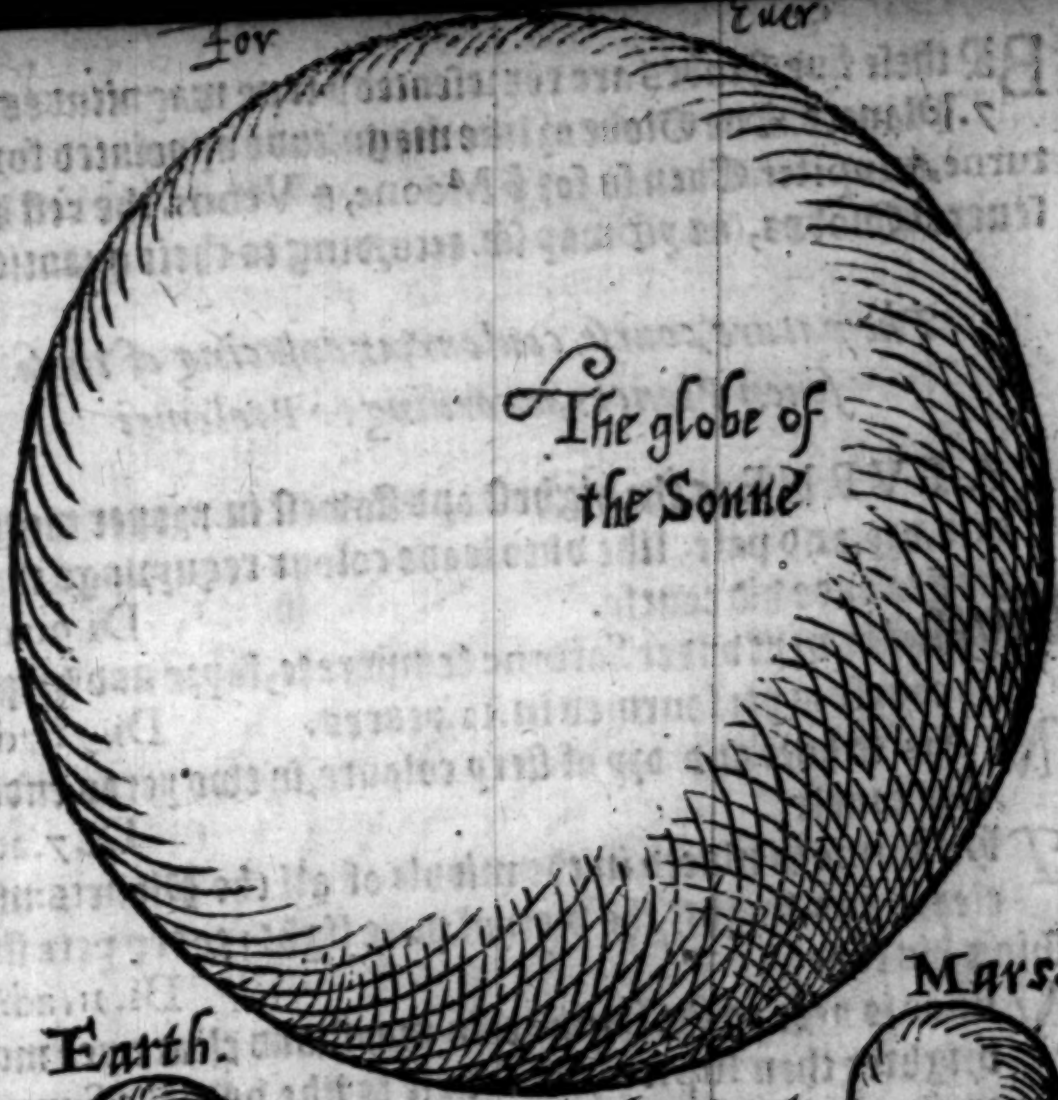
HÆc non erunt admirationi si Globi capacitatem ex longitudine Diametri quæsieris. Continet enim solis dimetiens, terra dimetientem quinquies & semissem. Estque proportio diametri Solis ad terrę dimetientē, quę est numeri undecim ad duo, quintupla sesquialtera. Cubus solis mille tercentum unam & triginta partes tales continet, cuiusmodi terrę Cubus octonās complectitur. Cubus enim numeri undecim, est mille tercentum unum & triginta. Cubus vero binarij, qui est terrę, octo Subducto quoties id fieri potest, minore Cubo qui est terrę, octo Subducto quoties id fieri potest, minore Cubo qui est terrę, a maiore qui est solis cognoscitur Cubi ad cubū proportio, & quanto Sol maior terrę sit. Inuenimus ergo octo centies, sexagies sexies, in mille tercentum uno & triginta.

Terrę Diametros Lunę dimetientem complectitur ter, & duas eius diametri portiones quintas: estq; ea proportio dimetiētis terrę ad Lunę diametrum, quę est septēdecim ad quinque tripla superbi partiens quintas. Cubus numeri septēdecim est quarter mille nō-genta terdecim. Cubus numeri quinque est cētum viginti quinque. Maiore Cubo per minorem distributo, reperimus numerum centū viginti quinque, tricies novies in quater mille nongentis tredecim, quod paululum a superioribus observationibus differt.

The quantities, or rather true proportion of all the Planets unto the Earth, ocularly demonstrated by figure follow.

inge.

The Glob.



Earth.



Venus or the Moon

Mars.



Mercury is but a poynēt in respect of these quantities.

By these five Globes are represented true magnitudes of 7. Planets. One Globe of like magnitude appointed for Saturne, & Iupiter. Euen so for the Moone, & Venus, the rest haue several Globes, (as yet may see) according to their quantities.

*The nature, course colour, and placing of these
seuen Planets, according to Ptolomei*

SATVRNE is the highest and slowest in proper motion, cold, dry, and pale, like vnto leade colour requyringe thirty yeares to ende his course. Di. 9. ad. 2.

IVpiter is next vnder Saturne temperate, fayre and bright: his course is perfourmed in .12. yeares. Di. 32. ad. 7.

MARS is hote and dry of fiery colour, in two yerres endeth his course. Di. 7. ad. 6.

The Sunne is placed in the middle of all the Planets: most cleare and bright, the well of pure light: euer yere finisheth his course. Di. 11. ad. 2.

VENUS is next to the Sunne cold, moyst, and cleare, yea moze brighter then Iupiter, hir course is like vnto the Sunnes: neuer aboue eight and forty degrees from the Sunne, called the Morninge Star when she goeth before the Sunne, comming after the Sunne, she is named the Euen starre. Di. 3. ad. 10.

MERCURY is next vnder Venus, somewhat shininge, but not very bright: neuer aboue .29. degrees from the Sunne, bys course, is like to Venus, of the Sunnes motion.

The Moone is lowest of all the seuen, running ouer the whole Zodiacke in .27. dayes and 8. houtes and somewhat moze. Di. 5. ad. 17.

For more playnnesse of that which is opened, nowe shall followe a figure by the which yee may yerceyue how the Orbe of the one Planet compasseth the other. Also how these Planets are placed in the Heauen, yea which Planet is highest from the earth, and which neereft vnto vs. Consider well this figure, so needeth no farther declaration,

The

GOD: AND A

THE ELECTE & HERE

The fyrst Mover
The cristalline Healen
The sterrie firmament
Saturne
Iuppiter
Mars
Sunne
Mercurie
Venus
MOON

THE

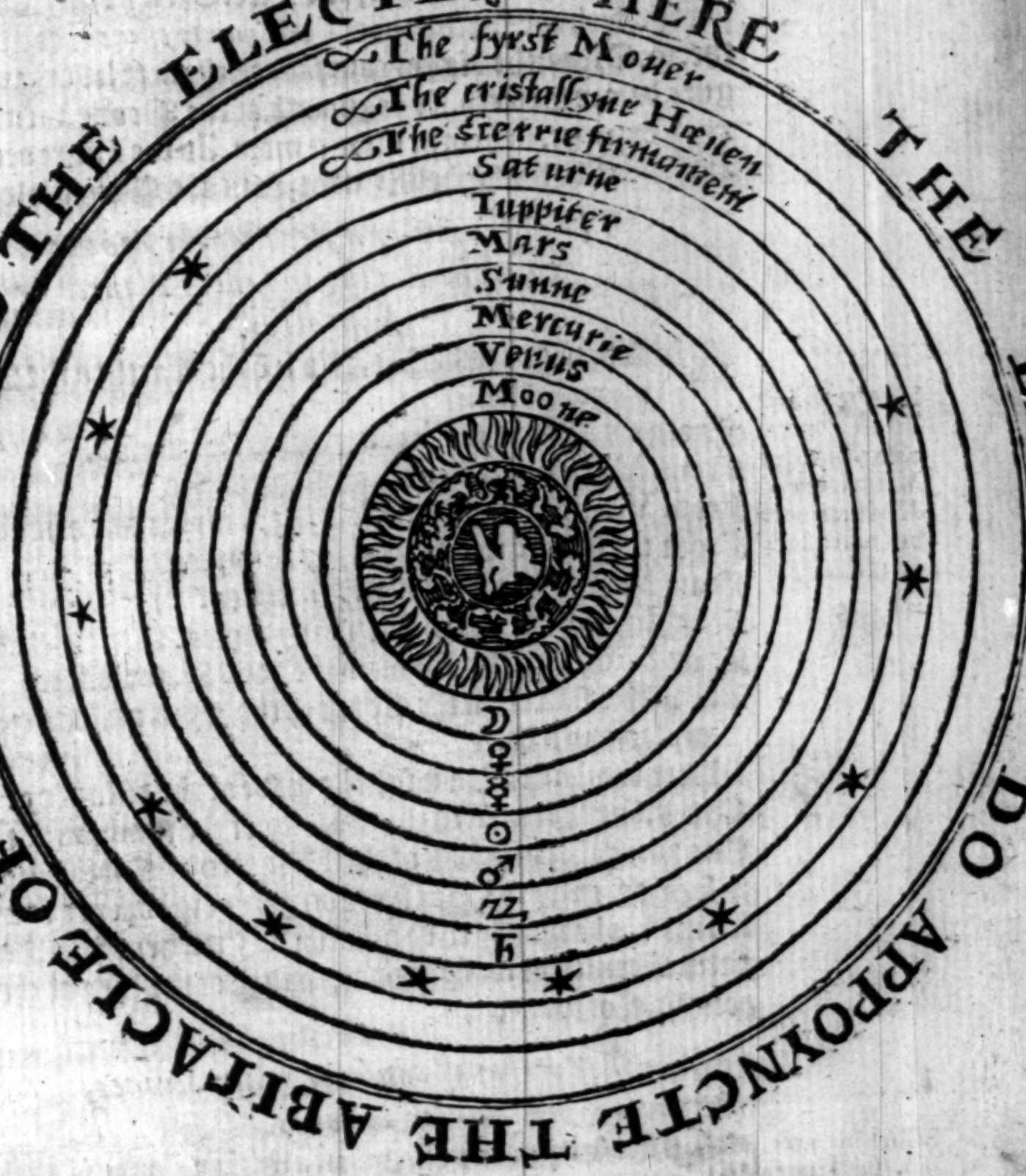
LEARNED

DO

APPOYNCTE THE

ABITACTE

OF GOD: AND ALL THE



A generall Prognostication

See may here be old first the Elemental part subiect vnto alteration, consisting of the foure Elements, first Earth & Water, wheron we are, then Ayre & Fire. Then the other Ethereal part (which the Philosophers call *quinte essence*) containeth the .10. Orbes: the bigger compasseth the next lesser, as the figure before sheweth. It beginneth at the Moone, then Mercury, Venus, &c. in height more & more. As the figure declareth Saturne to be the highest Planet, so is the Moone lowest.

The distance or myles that the Moone is from the Earth, and euery Planet from other.

As some haue published, it is frō the Earth to the Moone, 15750. myles.

From the Moone to Mercury, is. 32812. myles.

From Mercury to Venus, as many myles.

From Venus to the Sunne, is. 23437. myles and a halfe.

From the Sunne to Mars, is. 15725. myles.

From Mars to Iupiter, is. 78721. myles.

From Iupiter to Saturne, as many myles.

From Saturne to the Firmament. 120485. myles, &c.

The whole sum from the Earth to the Firmament, is. 358463 myles, and a halfe.

Here demonstration might be made of the distance of these Orbes, but that passeth the capacity of the common sort.

The natural operations of these Planets by Coniunctio, Opposition, &c. ensueth: But more largely of me opened in a pleasant booke shortly to be published. First, here will I ende the natural causes of many Sunnes and Moones then of the Planets by Coniunction.

The naturall causes of many Sunnes, or Moones.

These come to passe, when a thicker cloude is gathered towarde the side of the Sunne or Moone, in the which the broken beames of the Sunne do leaue the fashion and very forme of that Sunne. Thus as followeth, saith Plinius in his second booke of the History of Nature, 31. Chapter. No mo Sunnes are perceyued in our time then three.

Hæc Incredibilia videntur tantum hijs. qui Mathematicis demonstrationibus non assueuerunt. &c.

Milichius noteth the kinge of Pole to haue seene 6. Sunnes at ones.

ebres, and they are neuer seene, either above or beneath the
Sunne, but on the sides: neuer in the night but onely at the
Sunne rising or going downe.

*What is to bee chosen or avoyded under euery aspecte of the
Moone, with her signification in the 12. signes,
touching the same.*

The Coniunctio, Quadzature or Opposition of Saturn with the Moone, causeth an euil unluckye daye for all matters. Leage therfore to haue to do any maner way nothing shal prosper or come wel to passe then attempted. Yet the Sextile or Trine of Saturne with the Moone, declareth a conuenient time to til, delue, or digge, to sow to lay foundations to erect or repayre houses, yea a meete time to obtain suites of fatherly farmours. The Moone in Capricornus or Aquarius, byingeth this latter effect of the Sextile & Trine.

h δ \square \circ \circ
cum D

h * Δ cum D

D in ψ vel α

The Coniunction, Sextile, Trine, Quadzature or Opposition of Iupiter with the Moone, sheweth a fortunate day chiefly to obtain suites of Kings noble Princes, Prelates, of lawyers and Religious persons: and a mete, time to study to iourney, to take an honest matter in hand. The Moone in Taurus, in Leo or Sagittarius, sheweth the same.

γ δ * Δ \square
vel \circ cum D

D in γ vel τ

The Coniunction, Sextile, Trine, Quadzature, or Opposition of Mars with the Moone, warneth thee not to match thy selfe by day with warriours notwithstanding verye good & most meete to finishal manner fiery workes, nought to iourney yet most conuenient for valiant captayns to worke their fear, to leade, encourage or stomack their souldiers moste vnmeet to create peace, to take seruantes, or to seeke friendship.

δ δ * Δ \square
vel \circ cum D

\circ δ \square vel
 \circ cur D

The Coniunction, Quadzature, or Opposition of the Sun with the Moone declareth a very unhappy day for all matters therfore attempt nothing, ne any maner suite, neither plante, build, ne iourney. Yet the Sextile and trine are very fortunate specially to obtayn suite of kings Princes and other Nobles. The Moone in Aries enforceth the effect of this latter part.

D in γ

E.

The

☿ * Δ □
vel ☉ cum ☿

The Coniunction, Sextile, Trine, Quadrature, or Opposition of Venus with the Moone, causeth a daye most apt to obteyne all suites of women, good to woo, to attempt mariage, & to follow all maner pleasures, and pleasant pastimes: not vnmeet to hire seruants, to let bloud &c. The Moone in Libra or Pisces prouoketh the like.

☿ * Δ □
vel ☉ cum ☿

The Coniunction Sextile, Trine, Quadrature or Opposition of Mercury with the Moone, promisseth a fortunate happy day to Buy and Sel, very good to entre Childzen in Liberall artes, an apt time for a versifier: good to vse Marchaundise, to iourney to send ambassage, to geue accomptes and suche like.

☿ in ♊ vel
☿

The Moone in Gemini, Cancer, or Virgo, euclineth euen to the same aforesayd.

m ♋

The Moone with the Dragons head, sheweth a luckye daye for all matters, with the taylor contrary.

¶ Now ensueth a Table Shewing what signe the Moone is in and shalbe for euer, declaring also the meetest time to let Bloud to Purge and to Bath,

The Table hath at the head seven titles. The first monethes the second dayes, then the Prime: The twelue Signes: the titles to let Bloud: to Purge, and to Bathe

Here it is to be noted, that those dayes are good for these purposes, which be signed with this letter G: and those euil dayes that are noted with B.

This

¶ This Table declareth for euer, in what Signe the Moone is or shall be at any daye in the yeare. It serueth also very well to let Bloud, to Purge, and Bathe.

Monethes.	Daies.	Prime.	The 12. Signes.	To let Bloude	To Purge.	To Bathe.
Febr. Nouē.	1	3	Aries.	G	B	G
Marche.	2		Aries.	G	B	G
	3	14	Taurus.	B	B	B
Decembre.	4	6	Taurus.	B	B	B
	5		Gemini.	B	G	
Aprill.	6	17	Gemini.	B	G	
	7	9	Cancer.		G	G
Maie.	8	1	Cancer.		G	G
	9		Cancer.		G	G
	10	12	Leo.	B	B	G
	11	4	Leo.	B	B	G
June.	12		Virgo.	B	B	B
	13	15	Virgo.	B	B	B
July.	14	7	Libra.			
	15		Libra.			
	16	18	Scorpius.		G	G
	17	10	Scorpius.		G	G
Auguste.	18	2	Scorpius.		G	G
	19		Sagittarius.	G		G
	20	13	Sagittarius.	G		G
	21	5	Capricornus.	B	B	B
Septembre.	22		Capricornus.	B	B	B
	23	16	Aquarius.			G
Ianua. Octo.	24	8	Aquarius.			G
	25		Pisces.		G	G
	26	19	Pisces.		G	G
	27	11	Pisces.		G	G

The Generall Kalender.

Seeke out vnder the titles of the Monethes, the name of the moneth, whose day you must looke outright agaynst the moneth, vnder the title of dayes, & there begin to tel downwards 1. 2. 3. &c. to the end, if it so require, and then fro the beginning if neede bee, vntil you haue reckned the number of the day that you seke. Loke what number it falleth vpon in this table vnder the title of daies that number kepe in mind. Then seke vnder the title of the Prime, the golden nūber for the yere right agaynst that leftward vnder the titles of Dayes, beginne to tel downwards 1. 2. 3. &c. vntil you haue reckned the number which you did keepe in mind. Agaynst that towardes your right hand vnder the Title of Signes is the signe wherin the Moone shalbe the day. Euen then vnder the other titles, yee shal fynde in righte order for Letting blood, for Purging and Bathing, according as they be noted with *G* which is good, and *B.* signifyeth bad.

Example.

The first day of March in the yere of our lord 1555 I desire to know what celestiaall signe the moone doth then occupie. I find first the name of the Moneth, which is, March: and the daye as followeth, in the next order of this table. I beginne here to tel right agaynst my moneth, at the figure of 2 saying 1. 2. 3. &c. so I haue at the ende, & compte of sixe dayes this figure 7. which I keepe in mind. Now I must seeke out the Golden nūber for the yere aforesaid, vnder the title of the Prime here, which is 17. agaynst the which on the left side is 6. There you must begin agayne to compt: 1. 2. 3. &c. vntil you come to your number 7. So on your right hand in the row or order you shal see Virgo, the Celestiall Signe that the Moone is in and after these three letters *B* which declare bad or euil to let Blood, to purge or Bath agreeable to the titles in the head *G.* there bad signified good.

Foras much as letting of Blood, Purging and bathing, Inundations: Flouds. Timber falling, Sowing, plating, Grasping, cutting &c. depend chiefly on the Signe wherin the Moone is, which I haue euen before plainely opened, I thoughte it meete to haue them now orderly touched, as followeth

A con.

L Et bloude at no time without greate cause, for it bringeth weaknes and many infirmities. If ye do see it be after good digestion, & fasting in a faire temperate day beware before of al maner exercise, Bathings, watchings, & carnal copulatio. After vse fine meates of light digestion, abstaining from al y^e aforesaid, until the fourth day.

These Signes are most dangerous for blood lettinge the Moone being in the Taurus, Gemini, Leo, Virgo, & Capricornus. with the last halfe of Libra and Scorpius, The rest are all good: so the Moone beare no Dominion in that member which ye cut. As followeth.

*A conduible note / or letting Blood
Behold this figure.*

Malum minui
vel purgatio-
nibus uti, tem-
pore caloris
propter defe-
ctū humoris

¶ to let blond
in ♈ ♊ ♌
♍ ♎



The Dominion of the Moone in Mans Body.

Aries.
Taurus.
Gemini.
Cancer.
Leo.
Virgo.
Libra.
Scorpius.
Sagittarius.
Capricornus.
Aquarius.
Pisces.

THE

Head and Face.
Necke.
Armes, Handes, Shoulders.
Brest, Stomacke, Ribbes,
Hart, Backe.
Bowels, belly.
Raynes, Nauill, Buttockes.
Secrete members.
Thies.
Knees.
Shinnes, Legges.
Feete.

From the chaunge to to the first quarter, a meete time to let young men bloud.

From the first Quarter to the Full, good for middle age.

From the Full to the last Quarter, apt for aged folke.

From the last quarter to the chaunge, best for old men.

Signes meete for the Complexions.

Aries. } For the Fleumaticke, the head and this ex-
Sagittarius. } cepted.
Libra } For Melancholike: buttockes and legges ex-
Aquarius } cepted.
Cancer } For Cholerike brest, members and feete ex-
Scorpio } cepted.
Pisces. } For the Sanguine, all be apt that tofore be na-
med good.

Hæc diligētis-
sime obseruare
oportet solentē
Medicū, nisi
maiora pericu-
la cogant

In the spring time, let bloud at the right syde.
In Haruest time, at the left syde.

The learned Philition wil confoer, besyde all that is sayd,
the Coniunctions, opposition, & Quat aspects of the Pla-
nets

nets: with many other things, Astronomicall, most necessary
both in Bloudletting, Purging, Bathing, &c.

For to take Purgation, and to Bathe.

The meetest time to take purgation &c. is neither in hott
nor cold dayes, that is from the tenth of March, to the xii. of
June.

Further by rules Astronomical, it must be performed whē good to purge
the Moone is in cold, moist, and watry signes, as Cancer Scor
pius: and Pisces: comforted by Aspectes and radiations of Pla
nets, fortifying the vertue of the body expulsive. S m X.

The Moone in Aries, Taurus, & Capricornus, naught. One Bad to purge
cause of vomiting, the Purgation is, if the Moone haue as
pect to any Planet retrograde. V & W.

The Moone in these Signes following, very good to Bathe Good to bath
Aries, Leo, Sagittarius, Cancer, Scorpius & Pisces. V. S. 7 S

These ensuing are eull to bath Taurus, Virgo & Capricor
nus. m X.
Bad to Bathe
S m X.

*Of Inundations, or Floods, of Timber falling, Sow
inge, Planting, Graffing, Heare clipping,
Shauing and Gelding.*

The flood is biggest at y full: because then dispersing
her vertue, she filleth all places w moisture: We co
mon experience, soynded with learning I knowe at y
ful y Moone lodeth all bodyes with humors, & so are
emptied, growing to the chaunge. Of this some gather the fall
of timber at the chaunge, moze to the pnrpose then other times
wanting then superfluous moisture, the cause of putrefaction.
Omnis putredo ab aqua humido ortum habet. Schoner willet
from the 15. day vnto the 22. day of the Moone, trees co be fel
led, & thacafter Niblome to January. So timber is strong
sounde, and boyd of wormes.

To Sow Taurus, Cancer, Virgo Libra, and Capricornus Good to sovv.
are best in the increase of the Moone. S S m X = W

To Plant or Graffe, is best, when the Moone hath her being,
in any fixed signe, either in Taurus or Aquarius, in the encrease To plant or
Graffe: S S m X = W
Payre

The fall of
Timber.

Profitable Rules

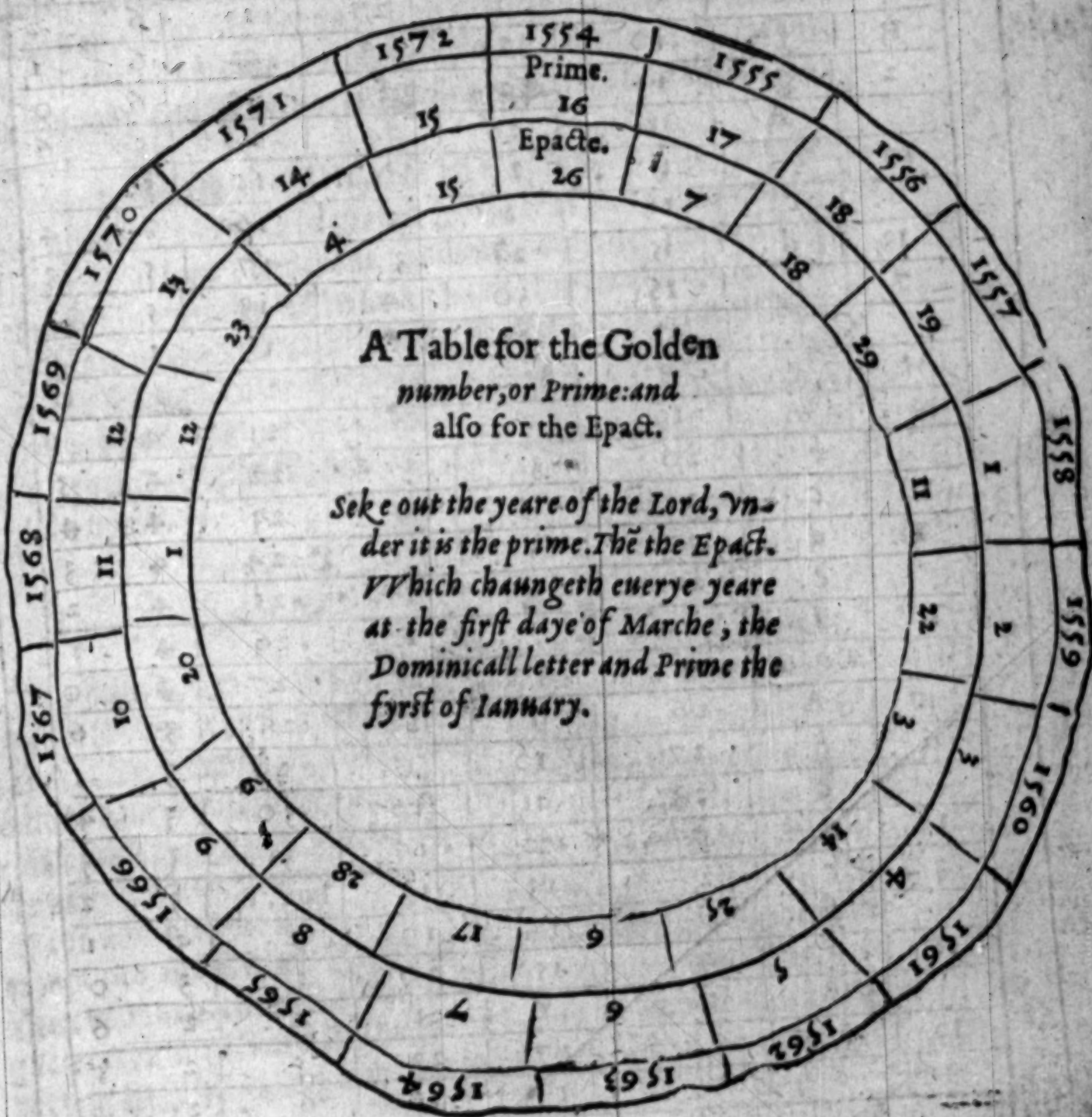
To Cut haire. Haire cutt groweth wel, the Moone encreasing being in Taurus, Virgo or Libra..

8. W^e. Cutting, shaving, clippinge in the wane causeth baldnes, what is then cutt groweth little. *Calusitium prohibet oleum Tarsari* The best time of Cutting is in Cancer, Scorpio or Pisces in the wane

These two rounde Tables that now ensue conduce to the rest following.



When yee haue gone rounde about the yeares,
of these two Tables, begin againe.



A Table
for movable
feasts.

The prime.	The sondaries letter.	The first Lent son- daye.	Easter. daye.	Rogas- tion.	whitson- tide.	Betwixt whitsond. & midso.
16		Februarie.	Marche.	April.	Maye.	wek. daies
5	d	8	22	26	10	6 3
	e	9	23	27	11	6 2
13	f	10	24	28	12	6 1
2	g	11	25	29	13	6 0
	A	12	26	30	14	5 6
10	b	13	27	May. 1.	15	5 5
	c	14	28	2	16	5 4
18	d	15	29	3	17	5 3
7	e	16	30	4	18	5 2
	f	17	31	5	19	5 1
15	g	18	April. 1	6	20	5 0
4	A	19	2	7	21	4 6
	b	20	3	8	22	4 5
12	c	21	4	9	23	4 4
1	d	22	5	10	24	4 3
	e	23	6	11	25	4 2
9	f	24	7	12	26	4 1
	g	25	8	13	27	4 0
17	A	26	9	14	28	3 6
6	b	27	10	15	29	3 5
	c	28	11	16	30	3 4
14	d	Marche. 1.	12	17	31	3 3
3	e	2	13	18	June. 1.	3 2
	f	3	14	19	2	3 1
11	g	4	15	20	3	3 0
	A	5	16	21	4	2 6
19	b	6	17	22	5	2 5
8	c	7	18	23	6	2 4
	d	8	19	24	7	2 3
	e	9	20	25	8	2 2
	f	10	21	26	9	2 1
	g	11	22	27	10	2 0
	A	12	23	28	11	1 6
	b	13	24	29	12	1 5
	c	14	25	30	13	1 4

These feasts
are movable.

*The vse of this Table appoynted for the
moueable Feastes.*

This Table containeth in the first Title the Prime: in the second, the Dominical letter: in the third, Lent, in the fourth Easter day, in the fifth, Rogation day, in the sixth Whitsonday: in the seventh, howe many Weekes and dayes are betweene Whitsonday and Midsummer. Which al appeare by their Titles.

Ye shal consider by the litle round Table before put forth, what nūber the Prime is that yere, wherof ye desyre to know all these aforesayd, and seeke that nomber vnder the first title of this table ensuing. Then seeke vnder the second the Dominical letter next after the Prime for that yere, whiche title ensueth the Prime. Directly agaynst the same dominicall letter towardes your right hand in the same lyne, ye shal fynd vnder the titles, what Moneth and day, every one of these aforesayd shal happen.

Ensample.

I would know this yere of our Lord. M.D.LX. these moueable feastes, the first Lent Sonday, Easter day, Rogation dayes, Whitsonday, and how many weekes betwixt Whitsonday and Midsummer day. First I fynd the Prime this yere xvii. which xvii. I loke out vnder the title of Prime in the Table before. Then I seeke in the next order (and after the Prime for the Dominical letter that yere. Now in right order, according to the Titles. I fynd the third of March to be the first Lent Sonday: the xiiii. of April Easter daye: the xix. of May, Rogation, the ii. of Iune, Whitsonday, and iii. weekes & one day betwixt Whitsonday and Midsummer day, Thus for ener.

*How to know the age of the Moone,
then the chaunge, and Quarter
for euer.*

First learne the Epact (as I haue instructed) for that yere ye
seeke to know the age of the Moone, then reckon how many
dayes is past of y^e moneth, which day ye desyre to know y^e age.
Put that number to the Epact, Then begin at Marche and rec-
ke for every moneth from him orderly one, vntil your sayd day,
includinge both the moneth of Marche, and also the moneth of
your sayd day. Adde all these dayes vnto your former number:
putting away as many thirty dayes as ye fynd. The rest is the
age of the Moone. The age found, the chaunge is knowne.
If ye adde vii dayes to the chaunge, ye haue the first quarter,
then 7 dayes, and somewhat more, sheweth the Full: and so to be
adding 7 and more, bringeth the last quarter thus by 7 vnto y^e
new Moone.

Ensample.

The x. day of January, the yere then being M.D.L.V.
I desyre the age of the Moone, I find the Epact vntil Marche,
ensuing to be xxvi. that added vnto x. maketh xxxvi. then xi. for
the monthes from Marche to January, includinge both Moone-
thes, bringeth xlvii, now thirty pulled away leueth xvii. the
age of the Moone.

*Now ensueth two perfect tables declaring the
true houre and minute of Ebbing and
flowing in most Coastes of
England.*

Quin South- ampton. Ports- moth.	Redban Aberde.	Graues ende.	Dudee. S. And.	Age of the Moon	London Tinnot Hertle pole.	Ber- wyke.	Erith. Lyeth. Dubar.	Falmot
South.	Sbw.	SSw.	SwbS		Sw.	Swbw	WSw	wbS.
H. M.	H. M.	H. M.	H. M.)	H. M.	H. M.	H. M.	H. M.
12 48	1 33	2 18	3 3	1	3 48	4 33	5 18	6 3
1 36	2 21	3 6	3 51	2	4 36	5 21	6 6	6 51
2 24	3 9	3 54	4 39	3	5 24	6 9	6 54	7 39
3 12	3 57	4 42	5 27	4	6 12	6 57	7 42	8 27
4 0	4 45	5 30	6 15	5	7 0	7 45	8 30	9 15
4 48	5 33	6 18	7 3	6	7 48	8 33	9 18	10 3
5 36	6 21	7 6	7 51	7	8 36	9 21	10 6	10 51
6 24	7 9	7 54	8 39	8	9 24	10 9	10 54	11 39
7 12	7 57	8 42	9 27	9	10 12	10 57	11 42	12 27
8 0	8 45	9 30	10 15	10	11 0	11 45	12 30	1 15
8 48	9 33	10 18	11 3	11	11 48	12 33	1 18	2 3
9 36	10 21	11 6	11 51	12	12 36	1 21	2 6	2 51
10 24	11 9	11 54	12 39	13	1 24	2 9	2 54	3 39
11 12	11 57	12 42	1 27	14	2 12	2 57	3 42	4 27
12 0	12 45	1 30	2 15	15	3 0	3 45	4 30	5 15
12 48	1 33	2 18	3 3	16	3 48	4 33	5 18	6 3
1 36	2 21	3 6	3 51	17	4 36	5 21	6 6	6 51
2 24	3 9	3 54	4 39	18	5 24	6 9	6 54	7 39
3 12	3 57	4 42	5 27	19	6 12	6 57	7 42	8 27
4 0	4 45	5 30	6 15	20	7 0	7 45	8 30	9 15
4 48	5 33	6 18	7 3	21	7 48	8 33	9 18	10 3
5 36	6 21	7 6	7 51	22	8 36	9 21	10 6	10 51
6 24	7 9	7 54	8 39	23	9 24	10 9	10 54	11 39
7 12	7 57	8 42	9 27	24	10 12	10 57	11 42	12 27
8 0	8 45	9 30	10 15	25	11 0	11 45	12 30	1 15
8 48	9 33	10 18	11 3	26	11 48	12 33	1 18	2 3
9 36	10 21	11 6	11 51	27	12 36	1 21	2 6	2 51
10 24	11 9	11 54	12 39	28	1 24	2 9	2 54	3 39
11 12	11 57	12 42	1 27	29	2 12	2 57	3 42	4 27
12 0	12 45	1 30	2 15	30	3 0	3 45	4 30	5 15
North.	N b E	N n E	N e b N)	N E	N e b E	E n E	E b N.

The first
Table for
the Tides

Profitable Rules.

The Se
cond
Table
for the
Tides

Foy Lin. Hübr. weimot. Dertm. Plimot.		Milfo. Bridge water.	Portl. Peter. porte.	Age of the Moone.	Orkn. Pole. Ors wel.	Diep. Lux. Le noys.	Boloig. Douer. Harwich Yarmot.	Calice.								
East.	E S.	E s E	Se b E		SE	Se b S	S s E	S b E								
H. M.	H. M.	H. M.	H. M.	☾	H. M.	H. M.	H. M.	H. M.								
6	48	7	33	8	18	9	3	1	9	48	10	33	11	18	12	3
7	36	8	21	9	6	9	51	2	10	36	11	21	12	6	12	51
8	24	9	9	9	54	10	39	3	11	24	12	9	12	54	1	39
9	12	9	57	10	42	11	27	4	12	12	12	57	1	42	2	27
10	0	10	45	11	30	12	15	5	1	0	1	45	2	30	3	15
10	48	11	33	12	18	1	3	6	1	48	2	33	3	18	4	3
11	36	12	21	1	6	1	51	7	2	36	3	21	4	6	4	51
12	24	1	9	1	54	2	39	8	3	24	4	9	4	54	5	39
1	12	1	57	2	42	3	27	9	4	12	4	57	5	42	6	27
2	0	2	45	3	30	4	15	10	5	0	5	45	6	30	7	15
2	48	3	33	4	18	5	3	11	5	48	6	33	7	18	8	3
3	36	4	21	5	6	5	51	12	6	36	7	21	8	6	8	51
4	24	5	9	5	54	6	39	13	7	24	8	9	8	54	9	39
5	12	5	57	6	42	7	27	14	8	12	8	57	9	42	10	27
6	0	6	45	7	30	8	15	15	9	0	9	45	10	30	11	15
6	48	7	33	8	18	9	3	16	9	48	10	33	11	18	12	3
7	36	8	21	9	6	9	51	17	10	36	11	21	12	6	12	51
8	24	9	9	9	54	10	39	18	11	24	12	9	12	54	1	39
9	12	9	57	10	42	11	27	19	12	12	12	57	1	42	2	27
10	0	10	45	11	30	12	15	20	1	0	1	45	2	30	3	15
10	48	11	33	12	18	1	3	21	1	48	2	33	3	18	4	3
11	36	12	21	1	6	1	51	22	2	36	3	21	4	6	4	51
12	24	1	9	1	54	2	39	23	3	24	4	9	4	54	5	39
1	12	1	57	2	42	3	27	24	4	12	4	57	5	42	6	27
2	0	2	45	3	30	4	15	25	5	0	5	45	6	30	7	15
2	48	3	33	4	18	5	3	26	5	48	6	33	7	18	8	3
3	36	4	21	5	6	5	51	27	6	36	7	21	8	6	8	51
4	24	5	9	5	54	6	39	28	7	24	8	9	8	54	9	39
5	12	5	57	6	42	7	27	29	8	12	8	57	9	42	10	27
6	0	6	45	7	30	8	15	30	9	0	9	45	10	30	11	15
V Vest.	w b n	w n w	n w b w	☾	n w	n w b n	n n w	n b w								

The use of these Tables 24
When you wil know the ful Sea, seeke out the name of the place, where you desyre the ful water in the head of the tables: Or learne the poyntes of the compasse there noted: Or if you list, know of some Mariner, what Moone maketh a ful sea there: a south west or South Moone, &c. Then the age of the Moone found vnder the place or point of the Compasse sheweth in right order the houre and Minute of the full Water. The Ebbe then is manifest.

**Of Ebbing
& Flowing.**

Ensample.

I desire to know the Ful watr at London bridge, the yere of our Lord 1555 the 6. day of Februarye, I finde by Rules before put forth, the vi. day of February, the yere aforesayde, the Moone to be 14. dayes old. I see also vnder the title wher London is S. W. which letters signify that a South west Moone maketh a full Sea, there, and that is at two of the clocke, and xii. minutes past. This is wel perceived in the first Table before put forth, if you runne downe to the 14. day of the age of the Moone vnder London title.

A Note of the Houre of the day and night.

The ingenious may gather nere about the houre of the day and night by the Moone: consideration had of the points in those Tables of tides before noted, for the hour is orderly put vnder the pointes of the compasse,

Euery part or point contayning 11. degrees and 1/2: this compasse is wel figured nere about the Centre in the instrumente following for the night howze, because ye may by it haue a delectable. large vble of these Tables.

How by the first of the tyde Tables, ye may readily know when the Moone commeth vnto the South, when she riseth and setteth: with her continuance on the Earth.

Seeke the age of the Moone (as is opened) then resort to the first Tide table looking out the age there: So vnder the South point in right order the houre appeareth, when she commeth vnto the South. Then bath she spent half the arke, the Sunne would haue had in that signe, which pulled away sheweth the rising that halfe arke also added to her coming in to the South declareth her going downe. The arke then the Sunne would haue had in the signe, is her continuance on the Earth.

A Ta.

A Table at all times plainly and briefly declaring the breke of the day: the hour, & minute of the Sunne rising, the last length of the day, the length of the night also, the very mynute of the Sunne setting: and the Twvylight.

Monethes	Dayes.	Break of	Sunne	Lengthe	Lēgtbe of	Sunne	Twv-	Dayes.	Monethes.
		the day.	rysinge.	of the day	the night	settinge.	lyghte.		
		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		
ber.	10	6	0 8	11 7	37 16	23 3	49 6	0	Dec.
	20	5	58 8	10 7	40 16	20 3	50 6	2	
Janu.	1	5	54 8	0 8	0 16	0 4	0 6	6	Nouē.
	10	5	44 7	49 8	21 15	39 4	11 6	16	
Febr.	20	5	35 7	34 8	52 15	8 4	26 6	25	Octo.
	1	5	15 7	13 9	34 14	26 4	47 6	45	
Mar.	10	5	0 6	56 10	8 13	52 5	4 7	0	Septē.
	20	4	50 6	36 10	47 13	13 5	24 7	10	
Apr.	1	4	20 6	19 11	22 12	38 5	41 7	40	Aug.
	10	4	0 6	1 11	58 12	2 5	59 8	0	
May.	20	3	40 5	41 12	37 11	23 6	19 8	20	Iul.
	1	3	8 5	18 13	23 10	37 6	42 8	52	
Ju-	10	2	40 5	1 13	57 10	3 6	59 9	20	Iul.
	20	2	10 4	43 14	33 9	27 7	17 9	50	
	1	1	30 4	25 15	9 8	51 7	35 10	30	Aug.
	10	0	30 4	12 15	35 8	25 7	48 11	30	
	20	Cōtinu:		0 15	59 8	1 8	0	Day con	tinuall.
	1	3	51 16	17 7	43 8	9			
	10	3	48 16	23 7	37 8	12			
		H. M.	H. M.	H. M.	H. M.	H. M.	H. M.		

The vse of this table.

Consider the Moneth and day, that ye require any of the toforesayd: and seke in this Table that same under the title: procede in ryght ordre, so ye haue your purpose. If the uery day be not founde, take the nearest of your table. Or by proportion the truthe is geuen: whiche all by Ensample folowynge shall playnly be declared.

Minutes to be added to the Lēgtb

Ensamble.

The first day of January. I desyre all the aforesayd: is, the breake of the day: the very minute of the Sunne rising, the length of the day, & also of the night, the Sunne going downe and the twilight. I finde on the right hand of January, these numbers running downe. 1. 10. 20. which declare the first day, the 10. day, and twenty of y^e Moneth, Now to my purpose, I requyre the breake of the day, &c. The first of January, in y^e table vnder y^e title, on the right hand of this figure. 1. I see. 5. houres and. 54. minutes y^e is. 6 of the clocke wanting. 6. minutes: the rising of the sunne in y^e order, is iust at 8. as this figures 8. there declareth vnder that title in the rowe. The length of the day. 8. houres, the length of the night. 16. houres, the Sun setting is at. 4. the twilight, at. 6. & 6. minutes. Euen thus for the tenth day, and also for the twenty of that Moneth, in the rowes according to their titles in the head of my tables.

How to worke by proportion, when the day is not founde,

I would know al th^e aforesaid, y^e first day of January. I take for ensample the breake of the day Remēber the first day of January, I did finde the breake, to be at. 5. of y^e clocke, and. 54. minutes: and the tenth day I may finde the break of y^e day to be at. 5. & 44. minutes, y^e is. 10. minutes lesse. I see now 10 daies do geue me 10 minutes lesse. I say therefore by proportion y^e fifth day must giue 5 minutes lesse thē 5 houres 54. minutes wh^{ch} is 5 houres 49 minutes my request. Thus for al y^e other titles.

The houre of the night, by the Moone, is etherwise founde then before, and that diuersly.

The houre of her rising known as is opened & a marke the made wher she shadoweth in any true fixed or mouable sū Dial, y^e houres and minuts from that marke al the Night after, are to be added to her rising If more thē. 12. surmount on- ly y^e above. 12. sheweth the true houre and minute. If at the rising she may not be sene, thē by the Sunne rising, in y^e very Signe (with y^e help of this Almanack) you may perceue what houre she would note at hir rising. Therfore frō y^e mark count:

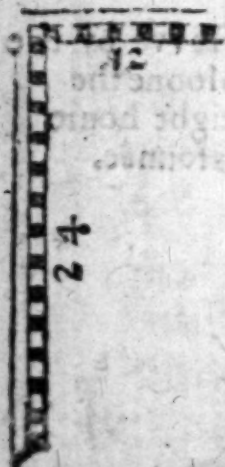
Howe by the Moone the night houre is founde.

An other waye.

When the Moone is at the full, loke what houre her shadow sheweth in any Dial, that is the houre of the night. After she be past the full, 28. houres, ye must adde one houre. But afore the full, pul one from the houre found in the dial. If twice, 28. two houres &c. So haue ye the houre of the night.

Howe the houre of the day by Right shadow, that is by any thing directly standing up is knownen and by square shadowe also.

First it behoueth you to haue a staffe, or any other thing deuised in 12. equal parts. When ye list to haue the houre set by directly your deuised staffe, on a plain leuel ground or boarde &c. Note the iust length of that shadow, what parts it containeth. With those entre your Moneth in the Peculiar Kalender folowing, beholding diligently vnder the name of the moneth the smal enclosed tables: considering wel, which of those smal tables are nereft vnto your day: & that iunge by the signe or day ther noted. That table serueth your purpose: where you must looke vnto the parts of the shadow afore found, or neare vnto it vnder or ouer the which the houre is set, before or after noone. Note the two prickes ther signify half a part more the is noted: one pricke, half a part lesse. Here it is also to be noted, the euery table hath within two rowes of figures, the vpper is for the staffe, the other for the square shadow. And whatloeuere is before sayd of the one that same is ment here of the other, saving of the composition. The square must be deuised from the inward angle to the end of one side, in 12. equal parts, even so fro that angle the other side into 24. like parts as this figure sheweth,



These to the witte suffice.

The Composition of an Instrument for the hour of the night which is also a perfect Dial for the day and excellent for the Mariner.

The taking of an altitude supposed I could exactly in few (and that without an Instrument) satisfy. For want of that knowledge make vpon a plain boord or rather fine plate a circle the bigger the better, part it into 360. portions.

The

The Circle made diuide it in 6. not moving the compasse: then euery of the in. 6. and ech of those last in. 10: so haue you. 390. parts. Then character, it beginning at the North thus 10, 20, 30. &c as in the figure going toward the East, & ending at the North with 260. Now lay a Ruler on the centre, euen with some diuisions, drawing choze to the extremes of the circle a line. Then crosse y with an other. These two must deuyde your circle in. 4 equal parts: which lines sheweth very East West: North and South, when by a Meridiane or square Dial, with a needel rectified, they are placed.

Now to end set a smal streight wire, a foote or more long to a Plane in the toppe, plumbright in the centre, & ther faste it.

Thus this Instrumēt is finished, to be fixed about your house, Equidistant or leuyl to the Horizon hauing a needel if yee lyst in it, trewly to place it, when and where you will.

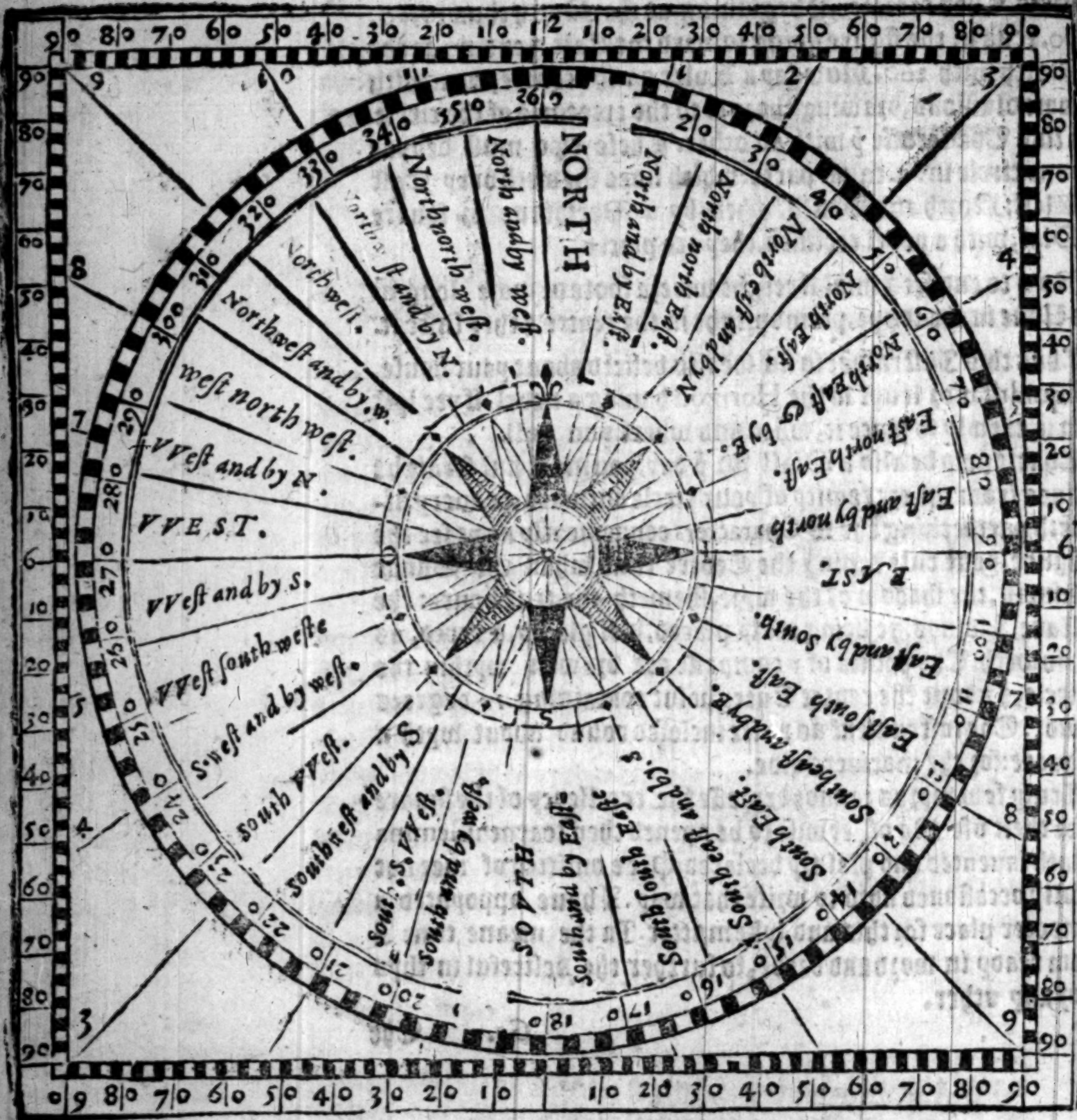
That it may be also a Diall for y day, you must pul straight lines from the ext remity of your circle outward, to euery fifteth part decking the w Characters conveniently as ye see the figure, your rule keeping the Centre thus when the Sunne shineth, the shadow of the wyre, sheweth the true houre: the Plane, y winds, &c being truly placed, wel placed, & rered, as foloweth. The points of y compasse are drawn wythin the circle, & about the centre Euery point containing. 11 degrees and 1/2. The instrument as ye see inclosed round about wyth a square: for the mariners aide.

Truly few words cannot expresse the excellency of the square for their vse. No otherwise to be opened then learned Gemma hath inuented and plainly declared: Here omitted of mee not fully occasioned now to write that way. I haue appoynted a meetter place for this and lyke matter. In the meane time I am ready in word and deede, to further the desireful in thys or any other.

G2.

The

Frontable Rules.



Beholde this Instrument for nauigation most commodious,
the vse of which is here onely put forth accordyng
to my Inuention.

*The right setting and placing of the
Dial tofore mentioned*



Let by handsomely your Instrument or Dial to- ward the North in some mete place, the side of a squire lying on it, until the plumer & line, centered in the extreme upper part of the other side of your squire like longe, cut al þ squire side, which lyeth on your Instrument, the fifth parte onely except: Then moue your Instrument, hither & thither, this or that waye, untill the shadowe at the wyze fall vpon the houre of the day, keeping diligently your height before: your dial thus fixed declareth al the yere long, the exact houre & parts thereof. No Dial in truth excelleth this. Haue in remembrance, that this instrument must lye leuell, nothing at all rered, for the houre of the night by starre.

To get the exact houre by two Starres of the first light, with an Instrument or Circle, to fore denided, erst of me inuented, calculated and practised.

The instrument, equidistantly set & placed, as is declared in the composition, ye ought to lay the edge of a ruler vnto þ wyze, the other neither end touching the Instrument, moving here and there, still touching the wyze, until either Star doeth offer it selfe with that edge, and þ by the Iudgement of the eye. Then put downe discretely your ruler (euer touching þ wyze) the binder end not moued, observing how many parts are cut from the North, to the edge of the ruler. Enter wyth them the Peculiar Kalender following: seeking ioune youre Moneth, placed in the middes of euery Table: then the day of that moneth must be there found.

Note that euery table hath on the sides, the daies thus orde- red. 1. 5. 10. 15. 20. 25. 30. Know þ order or row of figures which is right against, or nearest your day serueth the turn. The nu- bze or parts before cut by the Ruler, and now found in þ row of your table, sheweth the pfecte houre. If it be to little, þ houre ouer the head or vnder is not yet come: if contrary, it is past.

In vvinter the
contrary su-
pericies or
plain sheweth
the day houre
fro 2 to 4.

Fit filo aut dia-
gito, absque
regula exactis-
sime.

**How these two bright starres being of the first light
are founde the one called Aldebaran or oculus
Tauri, the other Alramech**

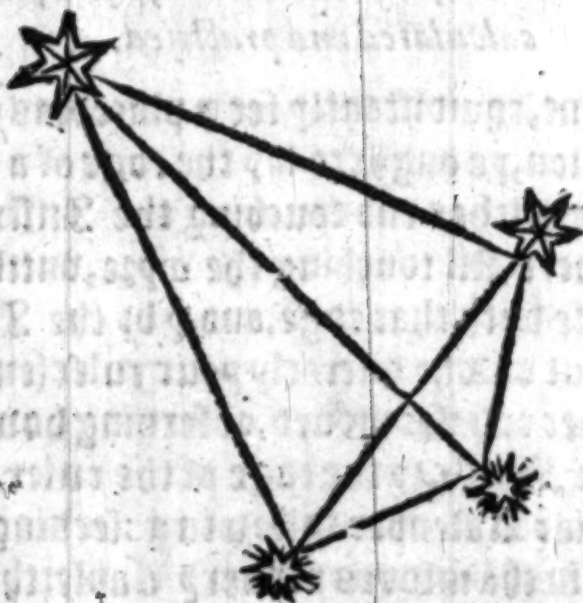
By what mea-
nes these Star-
res are
known.

The best way is thus. The 9. meth and day known with þ
true howre of the night, entre your Table considering that
9. meth and day obserue what partes belongeth there to that
starre & howre. Then resort to your Instrument, laying the
edge of your ruler, as many partes from the North, Eastward
circumspectly lifting vp the edge close by the wyre so the sayde
shineth euen with that edge.

Or thus Grosely

Another vway
to finde them.

**Oculus Tauri is euer a meate rodde and a halfe to the eye
under the 7. Starres & somewhat North of them in the ri-
sing Alramech is contrary to him placed accompanied with 3
little dimme Starres a rod from him by the iudgement of the
sight in the forme of a Triangle thus.**



**Behold this Figure, the great Starre doth represente
Alramech, the other thre the Triangle which is placed
alwayes with him, but commonly there doth appea-
re but one Starre of the Triangle.**

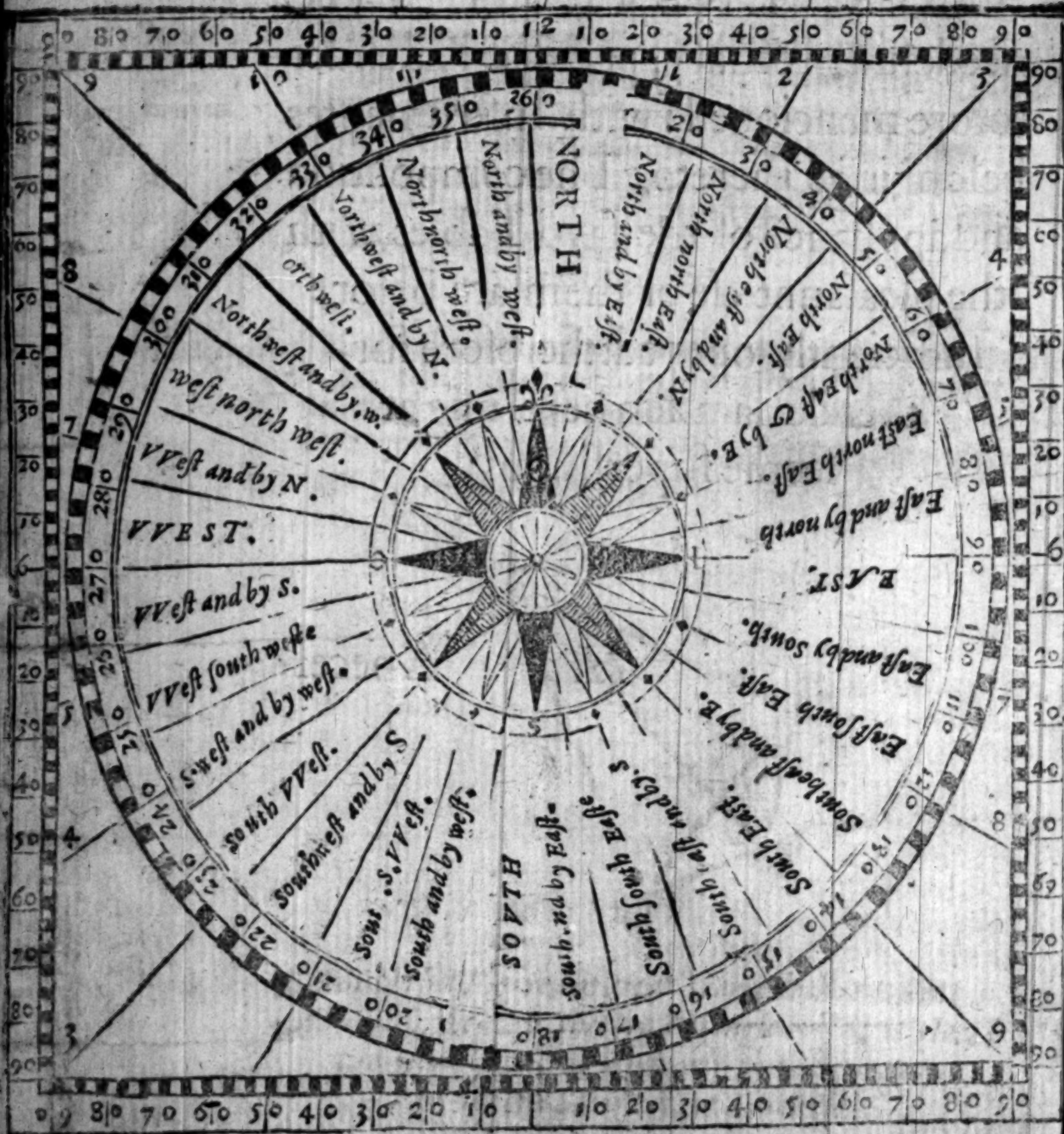
NOVV ENSVETH THE

needefull necessary, peculiar Kalender
tofore mencioned: with Instrumentes
belonginge thereto. The composition
and appliance of the sayd Tables, with
the pleasaunt vse of them, are before
sufficiently opened: therefore fur-
ther declaration here, might
seeme superfluous:

H. A neces-

* of the day, and night diuers wvayes, wyth
with helpe of this Peculiar Kalender.

* A Necessary Instrument to find exactly the houre of the day,



From evening to midnight.

Oculus
Tauri

Almar

For the night.

From midnight unto day.

1	108	113	143	165	195	213	59	79
5	112	129	150	172	197	220	63	74
10	118	136	158	181	206	227	68	78
15	121	144	166	192	214	233	71	81
20	130	151	173	197	220	239	75	83
25	137	158	181	207	223	244	79	90
30	144	165	191	213	233	249	82	93

January hath xxxj. dayes.

81	93	105	121	143	168	195	
86	9	110	127	153	177	205	
89	11	16	135	160	139	214	
93	105	122	141	169	198	223	
95	111	123	152	179	207	230	
101	116	135	159	190	216	236	
190	121	144	198	158	222	242	

1 2 3 4 5 6 7

For the day.

		12	11	10	9	8	7		H
10 {	Staffe	36	39	49	83	550	01	{	shad.
	Squire	4	4	13	2	0	01		
	H	0	1	2	3	4	5		

Almar

	12	11	10	9	8	7	6		H.
20 {	Staffe	32	34	42	65	209	0	{	shad.
Squier	4	4	13	2	1	0			
	H	0	1	2	3	4	5	6	

10 gri

	12	11	10	9	8	7	6		H.
30 {	Staffe	27	29	35	52	209	101	{	shad.
Squier	5	5	14	3	1	0			
	H	0	1	2	3	4	5		

Decur
Tauri

amech

amech.

For the night.

From midnight into day.

From evening to midnight.

1	69	124	213	61	73	83	95	
5	176	201	223	64	75	86	95	
10	185	209	230	69	79	90	103	
15	192	214	234	71	82	94	106	
20	198	220	239	75	86	98	112	
25	206	228	244	78	88	102	117	
30								

February hath xxviii. dayes.

108	124	146	174	203	226	
112	129	152	180	207	231	
117	136	161	190	216	238	
122	144	169	198	223	243	
128	150	180	200	230	248	
134	159	188	214	236	252	

1 2 3 4 5 6

For the day.

		H	12	11	10	9	8	7		
8	Staffe		23.	25.	30	42	80	6896	{	shad.}
	Squire		6	6.	5.	3.	2.	0		shad.}
		H	0	1	2	3	4	5		
		H	12	11	10	9	8	7		
18	Staffe		20	21.	25.	34.	61.	226	{	shad.}
	Squire		7	7.	6	4	2	1.		shad.}
		H	0	1	2	3	4	5		
		H	12	11	10	9	8	7		
28	Staffe		17.	18.	22.	29	45	112	{	shad.}
	Squire		8	8.	6.	5	3	1		shad.}
		H	0	1	2	3	4	5		

gr. No

20

From evening to midnight.

59	70	81	91	105	120
62	72	84	95	108	124
65	76	87	97	113	130
69	80	91	103	118	136
72	83	94	107	123	144
75	86	98	112	128	150
80	90	101	117	134	160

Marche hath xxxj. dayes.

140	166	196	220	242	262	282	302
145	173	203	225	247	267	287	307
153	182	210	232	250	269	289	309
162	191	218	238	254	273	293	313
171	200	225	243	258	277	297	317
180	208	232	248	262	281	301	321
190	216	237	254	266	285	305	325

1 2 3 4 5 6

Alm arech

Alm arech

For the night.

From midnight unto day.

For the day.

12 11 10 9 8 7 H

II { Staffe 15 | 16 | 19. | 24 | 37. | 73 | } shad. }
Squire 9 | 9 | 18. | 18 | 4 | 2 | } shad. }

H 0 1 2 3 4 5

12 11 10 9 8 7 6 H.

21 { Staff 13 | 14 | 16 | 21. | 30 | 54 | 221 | } shad. }
{ Squier 11 | 10 | 9. | 7. | 2 | 1 | } shad. }

H 0 1 2 3 4 5 6

12 11 10 9 8 7 6 H.

31 { Staffe 11 | 12 | 14 | 18 | 26 | 43 | 112 | } shad. }
{ Squier 12 | 12 | 10 | 8. | 5 | 3 | 1 | } shad. }

H 0 1 2 3 4 5 6

For the nyght.

From midnyght unto day.

From evening to midnyght.

1	92	104	113	133	164		
5	94	107	123	145	171		
10	98	111	129	153	182		
15	101	117	135	160	189		
20	106	122	144	168	198		
25	111	128	152	178	207		
30	117	135	159	189	215		

Aprill hath xxx. dayes.

191	28	239	255				
199	225	244	258				
207	25	248	62				
215	236	253	266				
223	243	257	270				
230	248	262	274				
235	22	266	278				

1 2 3 4 5

Alramech.

For the day.

	H	12	11	10	9	8	7	
8	Staffe	10	11	13	16	23	36	76
	Squire	14	13	11	9	6	4	2
	H	0	1	2	3	4	5	6
	H	12	11	10	9	8	7	6
18	Staffe	9	9	11	3	58	267	
	Squire	16	15	12	9	7	4	2
	H	0	1	2	3	4	5	6
	H	12	11	10	9	8	7	6
28	Staffe	8	8	10	14	19	26	49
	Squire	18	17	14	10	7	5	3
	H	0	1	2	3	4	5	6

{shad.} 0

{shad.} 10

{shad.} 20

gr. 8

From evening to midnight.

From evening to midnight.

Abramech

For the night.

From midnight unto day.

1	117	136	160	190	216			
5	120	142	163	196	222			
10	128	152	173	200	230			
15	134	159	188	214	235			
20	143	168	199	222	241			
25	151	177	206	230	248			
30	160	189	215	236	253			

May hath xxxj. dayes.

27	251	267	278					
241	256	269	280					
247	261	273	285					
252	266	278	288					
257	270	281	292					
262	274	285	296					
266	278	288	300					

1 2 3 4 5

1
5
10
15
20
25
30

	12	11	10	9	8	7	6	5	H
I { Staffe	71	8	10	13	17	26	43	100	{ bad. } gr. II.
I { Squire	20	18	15	11	8	5	3	1	
	H	0	1	2	3	4	5	6	7

For the day.

	12	11	10	9	8	7	6	5	4	H
12 { Staffe	71	7	9	12	17	24	39	82	258	{ bad. } 10
12 { Squire	21	19	15	12	8	6	4	2		
	H	0	1	2	3	4	5	6	7	8

{ Staffe	12	11	10	9	8	7	6	5	H	{ bad.
	6:	17	9	12	16:	23	37:	74	561	
{ Squire	12	20	16	12	9	6:	4	2		{ bad.
	H	0	1	2	3	4	5	6	7	

Alramedh.

For the night.

From midnight unto day.

1	161	191	217	238	253
5	169	200	225	243	258
10	180	209	231	248	262
15	109	216	237	253	266
20	199	225	243	258	270
25	209	232	249	262	274
30	217	238	283	267	278

Iune hath xxx. dayes.

267	278	290	300		
270	280	292	303		
274	285	296	307		
278	298	300			
281	292	303			
285	296	308			
289	300	312			

I 2 3 4 5

From evening to midnight.

1
5
10
15
20
25
30

	12	11	10	9	8	7	6	5	4	H
{ Staffe	6:	7	9	12	16	23	39	74	565	{ bad. } 0 gr. II.
I { Squire	22	20	16	12	9	6	4	2		{ bad. }
H	0	1	2	3	4	5	6	7	8	

For the day.

	12	11	10	9	8	7	6	5	4	H
{ Staffe	6:	17	9	12	16	23	36	72	453	{ bad. } 10
12 { Squire	22	20	16	12	9	6	4	2	0	{ bad. }
H	0	1	2	3	4	5	6	7	8	

	12	11	10	9	8	7	6	5	H		
{ Staffe									shad.	20 gr. : 00	
23 { Squire	6:	17	19	12	16:	23	37:	74	565		shad.
	22	20	16	12	9	6:	4	2			
	H	0	1	2	3	4	5	6	7	8	

From evening to midnight.

For the nyght.

1	219	219	255	268	280				
5	225	244	259	272	283				
10	233	250	264	275	286				
15	238	254	279	279	290				
20	243	258	271	283	293				
25	249	262	275	286	297				
30	254	267	279	290	300				

Iuly hath xxxj. dayes.

1	290	302	83						
5	293	304	86						
10	297	79	90						
15	301	82	93						
20	304	86	98						
25	308	89	101						
30	312	93	106						

1 2 3 4 5

From evening to midnight.

32

Alramec

Alramec

Oculus
Tauri.

	12	11	10	9	8	7	6	5	4	H
Staffe	7	7	9	12	16	24	39	82	2580	shad. 20 gr. 60.
Squire	21	19	15	12	8	6	4	2		shad.
H	0	1	2	3	4	5	6	7	8	

For the day.

	12	11	10	9	8	7	6	5	H
Staffe	7	8	10	13	17	26	43	100	shad.
Squire	20	18	15	11	8	5	3	1	shad.
H	0	1	2	3	4	5	6	7	

	12	11	10	9	8	7	6	5	H
Staffe	8	8	10	14	19	28	49	139	shad. 10
Squire	18	17	14	10	7	5	3	1	shad.
H	0	1	2	3	4	5	6	7	

gr. 10

The Greater Calendar

namech.

ulus Oculus
uris. Taurj

ulus Oculus
uris. Taurj

For the night.

From midnight unto day.

From evening to midnight.

5	255	267	279	291	302		
10	259	272	284	294	304		
15	263	275	286	297	79		
20	267	279	290	300	81		
25	270	282	292	303	86		
30	274	285	296	308	88		
	278	288	299	81	92		

August hath xxxj. dayes.

82	94	107	122	141		
86	98	111	126	146		
89	102	116	132	154		
93	105	119	138	160		
96	110	125	144	167		
100	114	130	152	174		
104	118	136	158	183		

1 2 3 4 5

For the day.

	H	12	11	10	9	8	7	6	5	
3	Staffe	9	9	11	15	21	31	58	207	} shad. } 0 gr. Ω
	Squire	16	15	12	9	7	4	2	0	
	H	0	1	2	3	4	5	6	7	

	H	12	11	10	9	8	7	6	
14	Staffe	10	11	13	16	23	36	76	} shad. } 10
	Squire	14	13	11	9	7	4	2	
	H	0	1	2	3	4	5	6	

	H	12	11	10	9	8	7	6	
24	Staffe	11	12	14	18	20	43	111	} shad. } 20 gr. Ω
	Squire	12	12	10	8	5	3	1	
	H	0	1	2	3	4	5	6	

From evening to midnight

For the nyght.

From midnight unto day.

1	267	279	290	301	82	93		
5	270	281	292	303	85	96		
10	273	285	296	307	88	100		
15	276	287	298	80	91	104		
20	280	291	302	83	94	108		
25	284	295	305	87	99	112		
30	287	287	80	91	103	117		

September hath xxx. dayes.

106	120	139	161	186			
109	124	144	166	192			
113	129	150	173	199			
117	135	155	180	204			
123	142	164	189	212			
128	149	171	196	219			
134	155	180	204	225			

1 2 3 4 5

From evening to midnight.

Alraames

Oculus
Tauri,

1
5
10
15
20
25
30

Oculus
Tauri.

12	11	10	9	8	7	6			H
13	14	16	21	30	54	221			bad. 20 gr. 11.
11	10	9	7	5	13				bad.
H	0	1	2	3	4	5	6		

For the day.

12	11	10	9	8	7				H
15	16	19	24	37	173				bad.
9	9	8	6	4	12				bad.
H	0	1	2	3	4	5			

12	11	10	9	8	7				H
17	18	22	29	45	112				bad. 10
8	8	6	5	3	11				bad.
H	0	1	2	3	4	5			

30

*Alra
mech.*

*les Oculus
ri. Tauri.*

For the night.

*les Oculus
ri. Tauri.*

	6	7	8	9	10	11	12
1	277	288	298	80	92	104	117
5	279	290	302	82	94	107	122
10	284	294	305	86	98	111	127
15	286	68	79	90	102	116	133
20	290	71	82	93	106	121	140
25	294	75	86	98	111	126	146
30	297	79	90	102	116	131	154

October hath xxxj. dayes.

	13	14	15	16	17	18	19
1	135	157	181	205	226	243	
5	141	162	188	210	231	247	
10	147	170	195	218	237	252	
15	154	178	202	225	242	256	
20	162	186	210	230	246	260	
25	169	194	217	235	251	264	
30	177	202	224	241	255	268	
	1	2	3	4	5	6	

From Evening to midnight

*1
5
10
15
20
25
30*

For the day.

	12	11	10	9	8	7
Staffe	20	21	25	34	61	226
Squire	0	1	2	3	4	5

*H
shad.
shad.
20 gr. m*

	12	11	10	9	8	7
Staffe	23	25	30	42	79	6896
Squire	6	6	5	3	2	0
H	0	1	2	3	4	5

*shid.
shid.
10*

	12	11	10	9	8
Staffe	27	20	25	20	10

*shad.
shad.
10*

Genit clon merlet bels.

gr. m

	5	6	7	8	9	10	11	12
1	287	298	80	92	104	117	135	156
5	290	302	82	94	107	122	140	163
10	294	305	87	98	111	127	147	171
15	293	80	91	103	117	135	156	180
20	303	83	95	108	123	142	165	189
25	307	88	100	113	129	150	173	198
30	81	92	104	119	136	158	183	206
<p>Nouember hath xxx. dayes.</p>								
1	182	205	225	243	257	270	281	292
5	188	211	231	248	261	273	285	296
10	195	218	237	252	265	277	288	000
15	204	225	243	257	269	281	292	000
20	213	232	248	261	274	285	297	000
25	220	238	253	266	278	290	297	000
30	227	244	258	270	282	293	295	000
	1	2	3	4	5	6	7	8

From evening to midnight.

Almaroc
Oculus
Tauri

For the night.

From midnight unto day.

	12	11	10	9	8	7	6	5	4	3	2	1	0
2	Staffe	32	34	42	121	165	209	1					
	Squire	4	4	13	12	0	9	1					
	H	0	1	2	3	4							
13	Staffe	12	11	10	9	8							
	Squier	36	39	49	183	1550	1						
	H	0	1	2	3	4							
22	Staffe	12	11	10	9								
	Squier	40	45	157	104								
	H	0	1	2	3								

For the day.

10 gr. m

gr. m

Aramech
barech.

lus Oculus
rie Tauri

For the night.

lus Oculus
rie Tauri

Aramech

	5	6	7	8	9	10	11	12
5	81	92	105	119	136	153	183	207
10	84	96	107	121	144	166	192	214
15	89	101	115	132	153	175	201	222
20	93	105	120	139	161	186	209	230
25	98	111	127	147	169	195	217	235
30	103	116	133	154	177	202	224	242
	107	122	141	163	188	211	231	248

December hath xxxj. dayes.

From midnigbt unto day.

228	244	258	271	283	293	305	
231	249	263	275	286	292	304	
240	255	267	279	291	300	313	
246	250	272	284	295	308	316	
251	264	276	287	294	307	314	
256	265	280	291	302	315	324	
261	273	285	296	307	318	329	

1 2 3 4 5 6 7

From evening to midnigbt.

I
5
10
15
20
25
30

	12	11	10	9	8	7	6	5	4	3	2	1	H
2	Staffe	43	47	62	122								shad.
	Squire	3	3	12	11	1	1	1	1	1	1	1	shad.
12	Staffe	45	49	65	131								shad.
	Squire	3	3	12	11	1	1	1	1	1	1	1	shad.
22	Staffe	43	47	62	122								shad.
	Squier	3	3	12	11	1	1	1	1	1	1	1	shad.
31	Staffe	40	45	57	1104								shad.
	Squier	3	3	12	11	1	1	1	1	1	1	1	shad.

For the day.

10 gr. x

0 gr. x

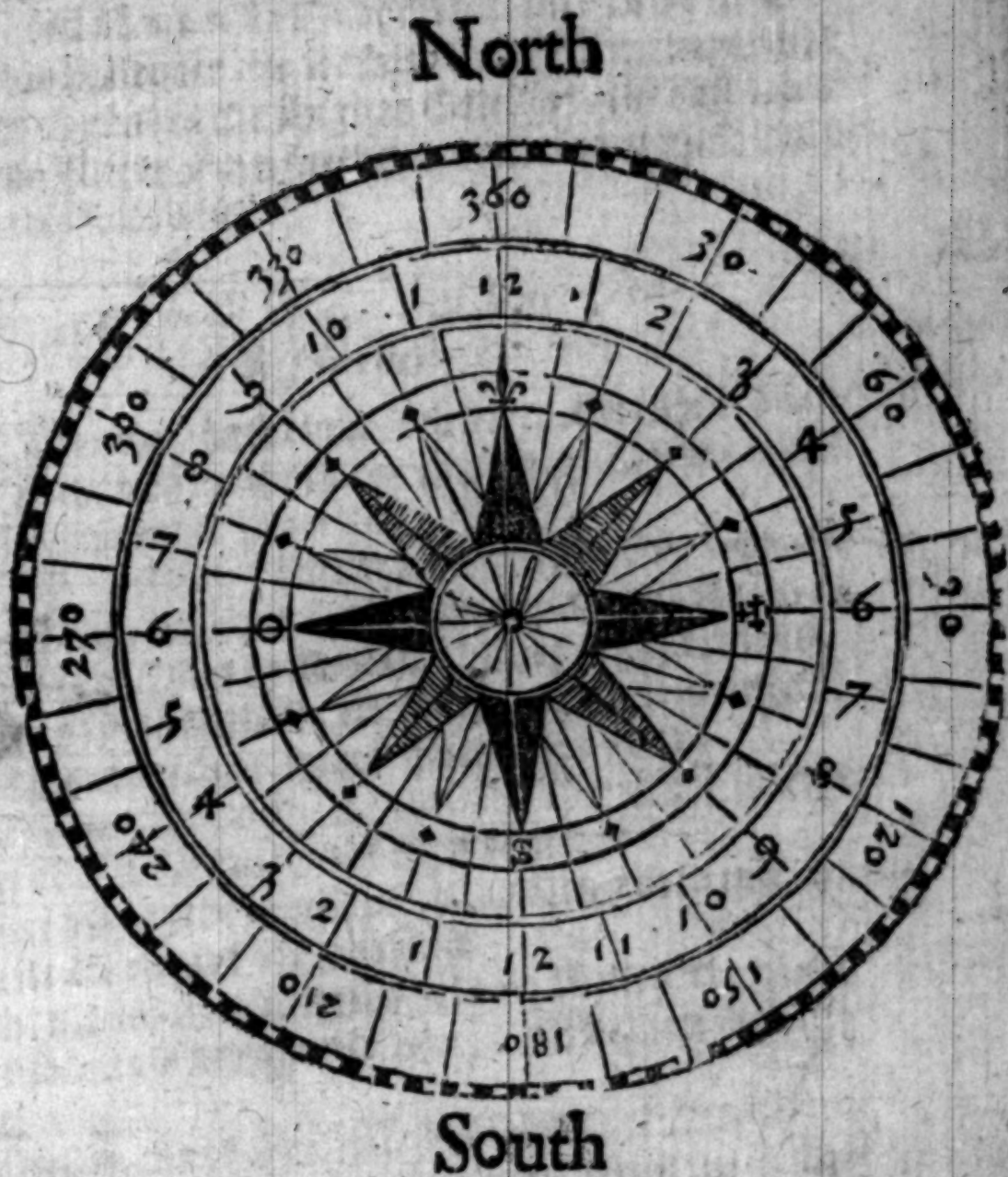
10

H 0 1 2 3

12
11
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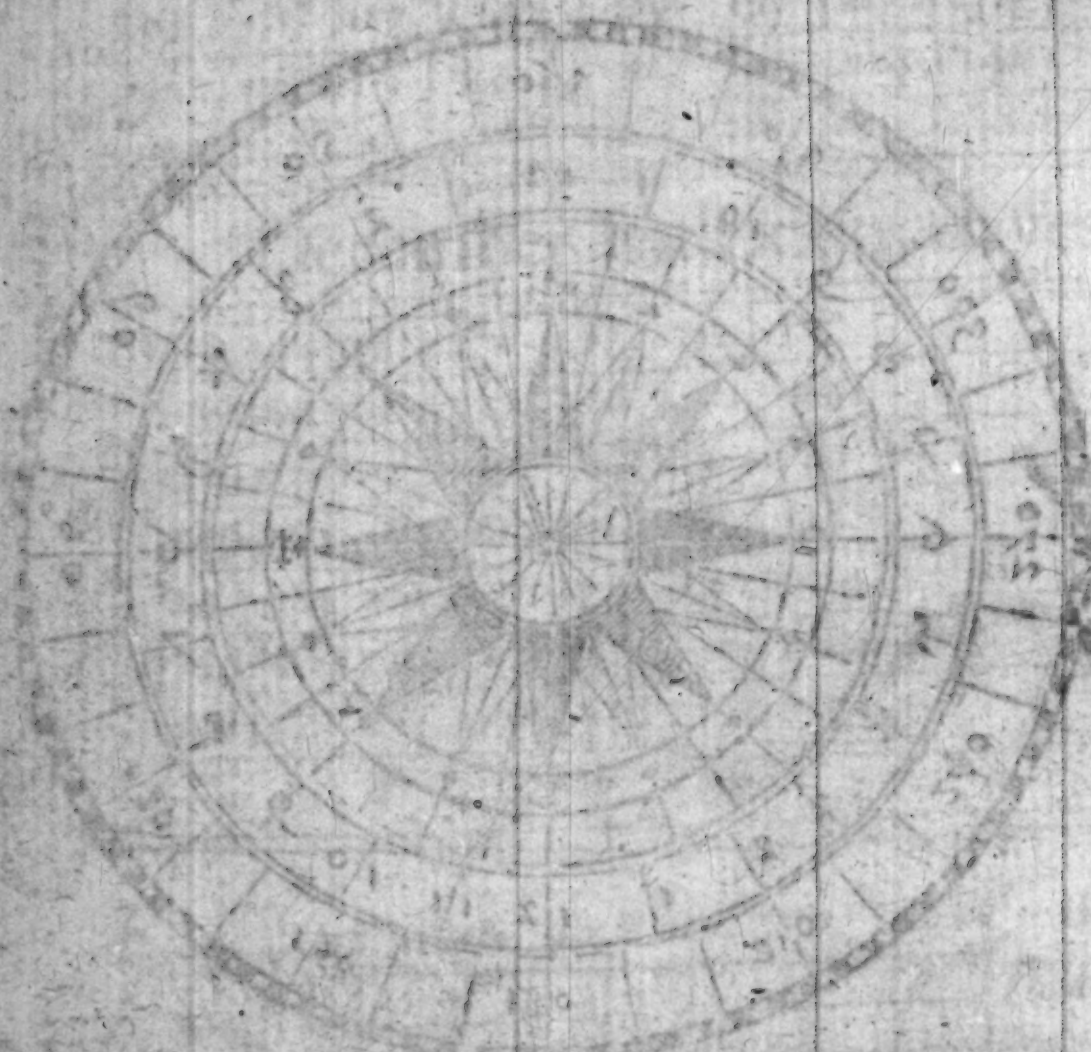
West



East

¶ Thus endeth the Peculier Kalender, very commodious for the day and night houre, I haue here adioyned the Instrument without the Square, which may suffice, for the whole vse of the toforesaid Kalender, with the help of the Squire and Staffe.

North



South

Howe shall folowe, What dayes in every moneth are
unmete to lett bloudde, dangerous to suffre Wounding;
perillous to fall sick, deathly to journey, quell to ma-
rye, & naught to take any mater in hande. The Who
li yeare after this compte folowinge, hath 33 quell
dayes.

A general Prognostication Fo. 35

I May not here omit a Kalender generall deuised in ii. parte wherof the fyrst containeth six Monethes, from Ianuarie to Iune. The second other six Monethes from Iulie to December. In this Kalender are set forth the Festiual dayes, the enteryng of the Sonne in the Signes Celestial, the euil daies noted with one Picke. For a further declaration of those euil dayes, reade this following.

The yeare hath xxxiii. euil dayes generall for euer

crva. par. p. H.



January hath eght such dayes, the i. the ii. p. iiii. the v. the x. the xv. the xvi. the xix. Drynke white wyne this Moneth.

— 8 1. 19.

February hath thre dayes, the viii. the x. the xvi. these not so euil, the xxi. p. xxii. the xxiii

3 26.

Eate no pottage of Dkes or Hallowes: They are venemous.

March thre dayes, the xv. the xvi. the xix, these not so euil, the xxviii. day. This moneth, all sweete meases are good.

3 6. 7.

April two dayes, the xvi. the xxi these not so euil, the vii. the viii. the x. the xx Use hote meats of, light digestion.

2 5.

Maye thre dayes, the vii. the xv. the xx. these not so euil, the iii. the vi. Rise Early, and vse breakfast.

3 27. 28.

Iune two, the iiii. the vii. these not so euill, the x. the xi. the xxi. Sage and lettuse are good to eate, Colde water fastinge hurteth not.

2 26.

Iuly two dayes, the xv. p. xx, abstayne from carnallitey.

2 23. 24.

Agust two dayes, the xix. the xx These not so euil the firste the xxi. the xx. It hurteth not to abstayne from pottage, and all hote meates and drynkes of spicerie.

2 10. 11.

September two dayes, the vi. the vii. these not so euil, the iiii. the vii. the xxi eate good fruite.

2 8. 9.

October one day, the vi. these not so euil, the iiii. the xvi. the xxi. Good wyne is holesome this Moneth.

1 20. 21.

November two dayes, the xv. the xix. these not so euil, the v. p. vi. the xxi. the xx. Bleeve not.

2 23. 24.

December thre dayes, the vi. the vii. the ix. these daies not so euil, the xv. the xvi. the xxi. Bleeve not ouermuch. Warm not thy legges at the fyre,

3 4. 5.

How enueth The Generall Kalender.

¶ The first part of the generall Kalender: from Ianuarie to Iune.

Ianuarie.	Februarie.	March.	Dates	April.	May.	Iune.
:A Circūci.	d	d	1	g	b Phi. lac.	e
:b	e Purifi.	e	2	A	c	f
c	f	f	3	b	d	g
:d	g	g	4	c	e	:A
:e	A	A	5	d	f	b
f Epiph.	b	b	6	e	g	c
g	c	c	7	f	:A	:d
A	:d	d	8	g	b	e
b	e ⊙ in ✕	e	9	A	c	f
:c	:f	f	10	b	d	g
d ⊙ in ~	g	g ⊙ in V	11	c ⊙ in ♂	e	A Barna.
e	A	A Spring.	12	d	f ⊙ in II	b ⊙ in ☾
f Hilar.	b	b	13	e	g	c Sumer.
g	c Valen.	c	14	f	A	d
:A	d	d	15	g	:b	e
b	e	:e	16	:A	c	f
:c	:f	f	17	b	d	g
d	g	g	18	c	e	A
e	A	:A	19	d	f	b
f	b	b	20	e	:g	c
g	c	c	21	:f	A	d
A	d	d	22	g	b	e
b	e	e	23	A Georg.	c	f
c	f M. sb.	f	24	b	d	g Ioā hap.
d Cō. Pau.	g	g Anun.	25	c Marc.	e	A
e	A	A	26	d	f	b
f	b	b	27	e	g	c
g	c	c	28	f	A	d
:A		d	29	g	b	e Pe. Pa.
b		e	30	A	c	f
c		f	31		d	

The General Calendar.

36

The seconde part of the generall Calendar: from Iulie to December.

Iuly.	August.	Septemb.	Dayes	October.	Nouem.	Decem.
g	.c Pet. Vin.	f	1	A	d Om. fā.	f
A	d	g	2	b	e Om. an.	g
b	e	.A	3	.c	f	A
c	f	.b	4	d	g	b
d	g	c	5	e	.A	c
e Dog beg.	A	:d	6	f	.b	:d Nicol.
f	b	:e	7	g	c	:e
g	c	f Na. Ma.	8	A	d	f Cō. ma.
A	d	g	9	b	e	g
b	e	A	10	c	f	A
c	f	b	11	d	g	b
d	g	c	12	e	A	c ⊙ in 7
e	A	d	13	f	b ⊙ in 17	d wynter.
f ⊙ in 8	b ⊙ in 17	e ⊙ in 26	14	g ⊙ in 11	c	e
:g	c	f Heruest.	15	A	:d	f
A	d	g	16	b	e	g
b	e Dog end	A	17	c	f	.A
c	f	b	18	d Luc.	g	b
d	g	c	19	e	:A	c
:e	:A	d	20	f	b	d
f	b	.e Mathe.	21	g	c	e Thc. ap.
g Ma. mag.	c	f	22	A	d	f
A	d	g	23	b	e	g
b	e Bartho.	A	24	.c	f	A
c Luc. Apo.	f	b	25	d	g	b Na. do.
d	g	c	26	e	A	c Steph.
e	A	d	27	f	b	d Io. euā.
f	b	e	28	g St. Iud.	.c	e Imoce.
g	.c decol. Io.	f Michs.	29	A	.d	f Tho.
A	d	g	30	b	e Andre.	g
b	e		31	c		A

A. ii.

The General Kalender

To the Briefe vse of this General Kalender.

Enter the columpne wher your Moneth is noted in the head. yee shall there fynde runninge downe the columpne the Festiual dayes of that moneth, the entry of the Sunne in the Celestiall signes, the euil dayes pycked. &c.

I would haue placed in this Kalender the Fayres and Termes also, but that cannot remayne continual true: For those that ensue moueable Feastes are moueable, and therfore may haue no certayne place, For the Termes, note these preceptes following. The Fayres shalbe declared by two Tables immediately ensuing this Kalender general.

How to know the Termes.

Now therfore, that Easter Terme alwayes beginneth the 18. day after Easter, reckning Easter day for one, and endeth the Monday next after the Assencion day

Trinity Terme beginneth the Fryday next after Corpus Christi day. and endeth the Wednesday for night after.

Michaelmas Terme beginneth the 9. or 10. day of October, and endeth the 28. or 29. of Nouember.

Hillary Terme beginneth the 23. or 24. day of Ianuary: and endeth the 12. or 13. day of February.

FINIS.

Generall ⁴ fires

**A Table contayning the Moneth, day, and
Place of the principal Fayres of England
to be augmented at pleasure in order,
following.**

The 6 at Bristow, at Salisbury. The first of Lente at *January.*
Exeter.

The 2, day at Bath at Baydstone. The 14 at Feber- *Februarye.*
same. On Ashwednesday, at Lichfeilde, at Ropston at, Cam-
worth. The first monday in Lente, at Cister, at Abington. The
24. at Henley vppon Thames, at Tenkesbury.

The 4. Sunday in Lente at Stanfords, at Sudbery. The 5 *Marche*
Sunday at Grantam, at Salisoury, the Monday before our La-
dy day at Wilschich Palme rien. The 13. at Wyke. The 25. at
Northampton, at Great Chare, at Waulden.

The 5 day at Walingford. The 7. at Darby The 9. at Bic- *Aprill*
kellsworth, at Billingworth at Calam the Monday after. The
3 Sunday after Easter at Louth. The 23 at Charinge, at Ip-
swiche at Amlil, at Hinigam, at Gilsorde. The 25. at Darby.
The 26. at Centerden.

The 1. dayes at Stowe the olde at Reading, at Baydstone *May*
at Leicester, at Chensford. The 8 day at Beverley, Ascension
day, at Bermingebā, at S. Edes, at Bishops Statford. The
Monday, at Kingstone vppon Thames. Trinity Sunday at Ro-
well, at Craneboke, the 16 daye. The 27. day at Lennam.

On Corpus Christi day, at Conuentry S. Edes, at Bishop *June.*
Stanford, at Rolfe the 9 at Baydstone. The 17 at Kingam
The 23. at Browburp, at S. Albans. The 24. at Cambridge,
at Gloucester, at Lincoln, at Windsor, Colechester. The 29.
at Wallerhampton, at Peterborough. The 17 at Follstone. The
24 at Hertsm. The 28 at Wittoyne.

A cable

General Failes

A Table containyng the Moneth, day, and
Place, of the principal Fayres of England
to be augmented at pleasure in order
following.

July.

The 11. day horsefayre at Partney, at Rabor, at Felie: the
12. day at Lpd, The 2. at Pinchbacke. The 17. at Winch.
com. The 20. at Uxbridge, at Cattelby. The 22. at Par-
borow, at Winchester, at Colechester, at Tetbery. The 25. at
Bristow, at Douer, at Chelham, at Ipswich, at Northham-
ton, at Darby, at S. James by London, at Reading, at Louth
at Haellbery.

August.

The 1 day at feuerlame, at Donstable at S. Edes at Bud-
fozch at Harrā Church, at Wilsbich. The 9. at Rumney. The
10. at Bedford at Fernā, at Stodes, at Blakamore. S. Lau.
at Walton. The 24. at London, at Tewksbery, at Sudbery, at
Norwich, at Northaleton, at Douer, at Ric. The 28. at Ash
ford.

September

The 8. day at Cambridge, at Sturbidge, at London in
Southwarke at Smide, at Recluer, at Partney iii. Ladys
dayes. The 14. at, Maltam Abbeys, at Wotton vnder hedge
at Smalving. The 21 at Croydon, at Hulden in Holdernes, at
S. Comonsbery, at Haulcon, at S. Iues, at Walby Lanam
at Wilemal, at Sittingborow, at Douer, at Ectrie. The 29.
day at Canterbury.

October.

The 6. day at S. Siches besydes Norwiche, the 13. at Gra-
ues end, and at Windsor at Marchfeld. The 18 at Eile, at Sta-
ton, at Charing. The 23. at Harfode, at Ckiter, at Newmar-
ket.

November

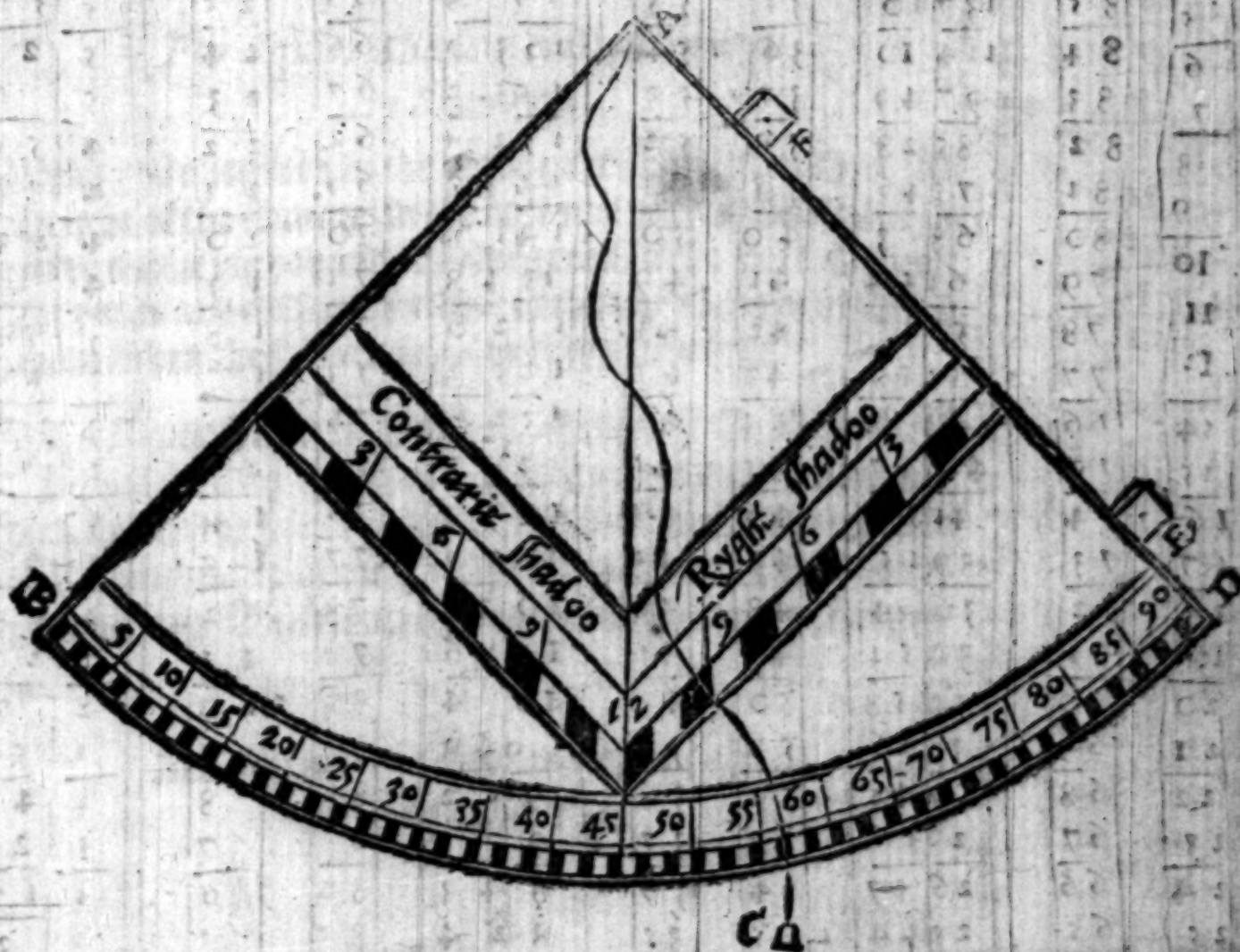
The 1. day at Kingstone, at Blechingly. The 6. at Newpore
pond, at Standly. The 11. at Douer. The 13. at S. Comons-
bery. The 20 at Wyth. The 23. at Sandwich. The 30. at Ro-
chester, at Haydenhead.

December

The 29. at Canterbury. The 5. at Pluckley. The 6. at Spal-
ding. The 7. at Sanderst.

Because I vnderstand many are desirous how to get exactly the iust length of Staffe & Squier shadow befoze treated of. vpon vniuersall groundes, or other wayes, wherefoeuer it be, yea without either Squier or Staffe I haue calculated a table following, thowly satisfiing them, so y they get the height of the Sunne any way, or as I shall now instruct.

Beholde this instrument called a Quadrant the iust fourth parte of a circle euen such a circle as I taughte you befoze to make for y night Diall containyng the fourth part of his diuisions, y is 90 degrees onely it sightes and a plume line added, to be placed at the beginning of this booke, as ye maye there & here see. I haue here also put the Scale to the Quadrant, which serueth wel for shadows, and aswel for heightes. The vse of this Scale is declared in my booke called Tectonicon.



Lett by handsonly your Quadrant y Sunne beams persing y sightes. The Plume & Line then at liberty falling, noteth ther the degrees of heighte at that present, with the which ye shal enter this table immediately following, to get then and in like maner at al other times y iust shadow of y Staffe or Squier

How by this
Instrument to
get the height
of the Sunne
at any times

Table

*A Table generall of Shadowes, right and contrary: for
every grade of the Sunnes height: The thing cau-
sing Shadowe, supposed 12 partes.*

Heyght of the Sunne.		Staffe. Shadowe	Heyghte of the Sunne.		Staffe. Shadowe	Heyghte of the Sunne.		Staffe. Shadowe
G	g	P M	G	g	P M	G	g	P M
0	90	Sham.	30	60	20 47	60	30	6 35
	89	537 34	31	59	19 58	61	29	6 39
2	88	343 43	32	58	19 12	62	28	6 23
3	87	229 59	33	57	18 29	63	27	6 7
4	86	171 37	34	56	17 47	64	26	5 54
5	85	137 10	35	55	17 9	65	25	5 36
6	84	114 10	36	54	16 30	66	24	5 21
7	83	97 49	37	53	15 52	67	23	5 6
8	82	85 28	38	52	15 21	68	22	4 51
9	81	75 45	39	51	14 49	69	21	4 36
10	80	68 3	40	50	14 18	70	20	4 22
11	79	61 44	41	49	13 48	71	19	4 9
12	78	56 27	42	48	13 20	72	18	3 54
13	77	51 59	43	47	12 52	73	17	3 40
14	76	48 8	44	46	12 26	74	16	3 26
15	75	44 47	45	45	12 0	75	15	3 11
16	74	41 14	46	44	11 38	76	14	3 0
17	73	39 15	47	43	11 1	77	13	2 45
18	72	36 4	48	42	10 43	78	12	2 32
19	71	34 51	49	41	10 26	79	11	2 20
20	70	32 58	50	40	10 4	80	10	2 7
21	69	31 16	51	39	9 43	81	9	1 54
22	68	29 42	52	38	9 22	82	8	1 41
23	67	28 16	53	37	9 3	83	7	1 29
24	66	26 57	54	36	8 43	84	6	1 16
25	65	25 44	55	35	8 24	85	5	1 3
26	64	24 37	56	34	8 6	86	4	0 50
27	63	23 33	57	33	7 48	87	3	0 38
28	62	22 34	58	32	7 30	88	2	0 25
29	61	2 40	59	31	7 13	89	1	0 12
30	60	20 47	60	30	6 56	90	0	0 0
Heyght of the Sunne.	Squier. Shadowe	Heyght of the Sunne.	Squier. Shadowe	Heyght of the Sunne.	Squier. Shadowe	Heyght of the Sunne.	Squier. Shadowe	

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The vse of this Table, and Staffe Shadowe,

Ensample.

[Suppose the height of the Sunne taken by the Quadrant 34 degrees, now I require the exact length of Staffe & Squier Shadow. For right shadowe, first seeke out the degrees in the left parte of the Table, and vnder this title the height of the Sunne: if they be not in that left rowe downwards, resort to the next rowe and like title, vntill ye find the degrees: then in righte order towarde the righte hande, in the nexte columnne vnder the title of Staffe Shadow, are 17, partes, and 47. minutes, your desire.

For Squier Shadow, titled contrary Shadowe.

Seeke your degrees in the right part vppward, at thys title, Height of the Sunne, in the bottome of this Table, the shal ye finde on the right hand of 34. degrees, in the next Columnne eight partes and 6, Minutes: that is the very length of Squier Shadow, when the Sunne is 34. degrees in height.

Occasioned I cannot here omitte another Table falschfully supputated for the Sonnes Altitude, by the which wylch quick speede the houre is knowen. This Table conducteth manifolde wayes, yea to the Composition of diuers and many Instruments: as Quadrantes, Hauicles, Cylindres, Ringes. &c.

*Beholde now' it doth ensue, and also
the bricfe vse of it.*

L

Table

30. Minutes, exactly calculated.

A Table of the Sunnes altitude, for every Houre: The Pole mounted 55. Degrees 30. minutes exactly Calculated.

Houres before n. Houres after n.				12	11	10	9	8	7	6	5	4									
St. G S C					I	2	3	4	5	6	7	8									
				G	M	g	M	g	M	g	M	g	M								
30	00	0		62	0	59	43	53	45	45	42	36	42	27	23	18	11	9	28	1	31
25		5		61	54																
20		10		61	37	59	21	53	26	45	24	36	25	27	6	17	54	9	9	1	13
15		15		61	9																
10		20		60	30	58	17	52	28	44	32	35	35	25	16	17	3	8	16	0	16
5		25		59	41																
0	0	0		58	42	56	3	50	55	43	6	34	13	24	56	1	41	6	50	0	0
25		5		57	34																
20		10		56	17	54	15	48	48	41	10	32	22	23	6	13	50	4	55	0	0
15		15		54	52																
10		20		53	21	51	26	46	12	38	46	30	6	20	52	11	34	2	34	0	
5		25		51	43																
0	0	0		50	0	48	11	43	11	35	53	27	2	18	1	8	59	0	0		
25		5		48	12																
20		10		46	20	44	37	39	51	32	53	24	32	15	27	6	8	0	0		
15		15		44	25																
10		20		42	23	40	51	35	18	29	34	21	2	12	25	3	6	0			
5		25		40	2																
0	0	0		37	3	36	58	32	37	26	7	18	8	9	16	0	0				
25		5		36	30																
20		10		34	32	31	4	28	55	22	33	14	51	6	7	0	0				
15		15		32	35																
10		20		30	40	29	15	25	18	19	14	11	33	3	22	0					
5		25		28	4																
0	0	0		27	0	25	40	21	51	15	50	8	34	6	0						
25		5		25	17																
20		10		23	39	22	12	18	42	13	1	5	45	0	0						
15		15		21	8																
10		20		20	43	19	29	15	55	10	23	3	17	0							
5		25		19	26									0							
0	0	0		18	18	17	6	13	38	3	13	1	15								
25		5		17	19																
20		10		15	30	14	48	11	55	6	35	0	0								
15		15		5	51																
10		20		15	25	14	13	10	52	5	36	0									
5		25		15	6																
0	0	0		15	1	13	51	10	20	5	15										

When the Sunne cometh the 22 grade of 99 he toucheth our
Heaven. In the morning Entering the 12 of 7 he toucheth at 8 in the
File of 8: at 5 in the first of my at 7. Note in all my tables, one
wicks following the Minutes di minisheth: two augment
augment some made quantitie.

When the Sunne enterth the 22 grade of 09 he toucheth our
 4. in the morning Entering the 22 of 7 he ryseth at 8 in the
 5. of 8. at 5 in the fifth of 11 at 7. Note in all my tables, one
 6. following the Minutes di minisheth: two augment
 augment some small quantities.

[The briefe use of this Table]

Suppose the height of the Sunne taken by the Quadrante, eight degrees and 13. Minutes, the Sunne being in the beginning of Aquary, or Sagittarie. I seeke and find in this Table and in the Row which directly answereth \approx and \approx 8. degrees and 13. Minutes: that is agreeable to 9. or 3. of the clocke in the head of this Table. Therefore I pronounce that when the Sunne was 8. degrees and 13. Minutes in height, entering \approx or \approx it was precise 9. of the clocke in the morning, or 3. at after Noone. Thus at all times yee may knowe the iuste houre.

We may also conclude the height of the Sunne at all times, the place of the Sunne known, and the houre. Note whē the precise numbers either of height, or degree of the Sunne are not found in the Table, then make proportion according to the difference. &c. Practise better then many words openeth this. Now to ende this matter, this following to him that hath attained these knowledges I write.

Dato loco Solis & eius Altitudine, horam ipsam calculare.

DVc sinum inuente solaris Altitudinis, in sinum arcus semidiurni, & productum diuide per sinū Altitudinis Meridianæ eiusdem Solis, & prouenientis inde partium numerum sumito arcum, quem tandem in horas vertas: Collectus horarum numerus quesitam indicabit horam: ab ortu quidem Solis, si altitudo fuerit ante meridianam, vel ab occasu, si eadē Solis Altitudo acciderit post Meridiem.

Now hauing some occasion I could here adioyne a briefe Supputation Sinicall, touching most workings Astronomicall, but howe farre that passeth the capacity of the common sorte of men, they that be trauayled know. For this cause I leaue to giue any preceptes this way: desiring prouocation meete to haue to doe in the like: then God suffering my penne

shall not stay to open ready chosen generall wayes, for pleasure
Astronomicall operation.

Here shall now follow briefly collected certaine rules per-
formed befoze by Tables: but now don by quicke supputa-
cion, to be had in memory, by that auoyding carpage of burde
of bookes.

*A way to get the Golden number for.
Prime without a Table.*

Adde vnto the yeare of our Lord 1. then deuide that summe
by 19. the remayne is the Prime of Golden number.

The Epact is thus euere founde.

Multiply the Prime by 11: deuide by 30. the remain is your
desire. These two numbers begin at March, their vse is
chiefly to finde, out the Chaunge, Quarters, and full Moone as
ensueth.

*A Rule for the Chaunge, Full and Quar-
ters of the Moone.*

Put vnto the Epact al the monethes from March, including
the Moneth of Marche: pull then that summe from 30. the
remayne sheweth the day of the chaunge.

Here note the full Moone is the 15. day after the chaunge.
Also if the remain be lesse then 15. subtract that lesse from 15,
the rest is the full Moone.

If the remayne passe 30. subtract it fro 45. then the full doth
also appeare.

To conclude, if fro the full Moone ye pul 15. dayes, you haue
the chaunge going befoze. The chaunge had, the Quarters are
known by adding or pulling away 7. dayes.

For the

For the age of the Moone, worke
thus for euer.

A Doe to the dayes of your moneth the Epacte, and also as
manye dayes moze as are Monethes from Marche to the
Moneth, including both Moneths. Now subtract 30. if ye may
the age then remayneth.

*Now shalbe declared what Signes and
degrees the Moone differeth from the
Sunne, by which is gathered at all tis
mes the Signe and Grade wher-
in shee is.*

Multiplye the age of the Moone by 4. deuide by 10. the
Quotiente sheweth the Signes that the Moone dif-
fereth from the Sunne. The remaine augmented by
three bringeth degrees to be added. We must put these
Signes and degrees to the place of the Sunne: the product, I
meane the increase or ende of all these Signes and Degrees,
in order counted from the Sunne, declare the place of the Moone
in the Zodiacke.

*The place of the Sunne in the Zodiacke
is thus found.*

If it know that the xi. day of Ianuary, the Sunne is
entred \approx the x. day of February χ . The xi. of March
 \vee . The xi. of Aprill. δ The xii. of May Π , The xii.
of Iune ζ . The xiii. of Iuly δ . The xiii. of Auguste
 η . The xiiii. of September $\underline{\omega}$. The xiiii. of October m . The
13. of Nouember x . The xii. of December. z

This knowen, the place of the Sunne is wel found, addyng
for euery day past any entry 1. degree,

Ensam-

Ensample.

I Require the place of the Sunne the 21. day of August. I find that the Sunne is entered in $\text{m}\gamma$. the 14. day of the Moneth. I must for every day past any entrey adde i. degree. There are 7. dayes past that entrey, then I conclude the Sunne readye to haue place in the 8. degree of $\text{m}\gamma$ the 21. of August.

*To know how long the
Moone shineth.*

For his shining, in the encrease multiply the age of h Moone by 4. In the Wane augment therest of the age which hee lacketh of 30. by 4. and deuide by 5. the Quotiente sheweth the houres: the remaines if ther be any, multiplied by 12. bringeth minutes to be added.

*Howe the moueable Feastes are
found readily.*

Seeke the chaunge of the Moone in February, for that peare yee require these Moueable Feastes. Note what day it falleth on the next tuesday is h zhouetuesday. But if h chaung be on tuesday, then the next tuesday ensuinge is it. The nexte Sondag is the first Sondag of Lent. Sixe Sondagis after is Easter daye. Adde 35. dayes or 5. weekes to Easter daye, yee haue Rogacion Sondag. To that adde 4. dayes, so haue yee Ascencion daye. Then haue ye 10. dayes to Whitsontyde. Seuen dayes after is Trinity Sondag. And foure dayes after is Corpus Christi day.

*Without Tables at all times to
know the Tydes.*

Learn as is declared the age of the Moone, also remember the houre of the ful, or chaung for your place or point which doth neuer vary, these knowen, worke thus,

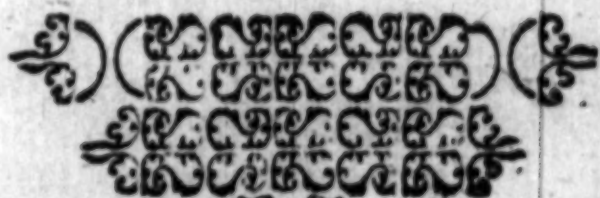
Ensam.

VVhen the Moone is 10. dayes olde, I desyre to know at what of the clocke it is ful Sea at Londo brydge, Multiplie 10. by 48. so haue yee 480. deuide that by 60. yee haue 8. heures. To that adde 3. which is the houre of the ful or chaunge appointed for that place. Al then commeth vnto 11. of the clocke high water at London brydge. If any thing remaine they are Minutes of an houre. If the heures amount a-boue 12. cast the twelues away, the rest is your requeste.

5. 8.
60 2 10
48

FINIS.

A Perfit



Here followeth for the Goynge downe, & Rysinge of the Moone: With her Continuance on the Earth. Note Diligently after the Change, & before the ful of the Moone what Houre the Sunne goeth downe: & adde to that same, manye houres & minutes, as the Moone shyneth that nyght: in that houre & minute, she goeth downe. Then hath she Continued as longe tyme on the earth, as the Sonne wolde haue done, & ge in that Signe Where she is. Therefore here tyeing is knoyn subduction of that Arke. Note after the full, the Moone riseth so manye houres, before the sunne, as she shyneth that